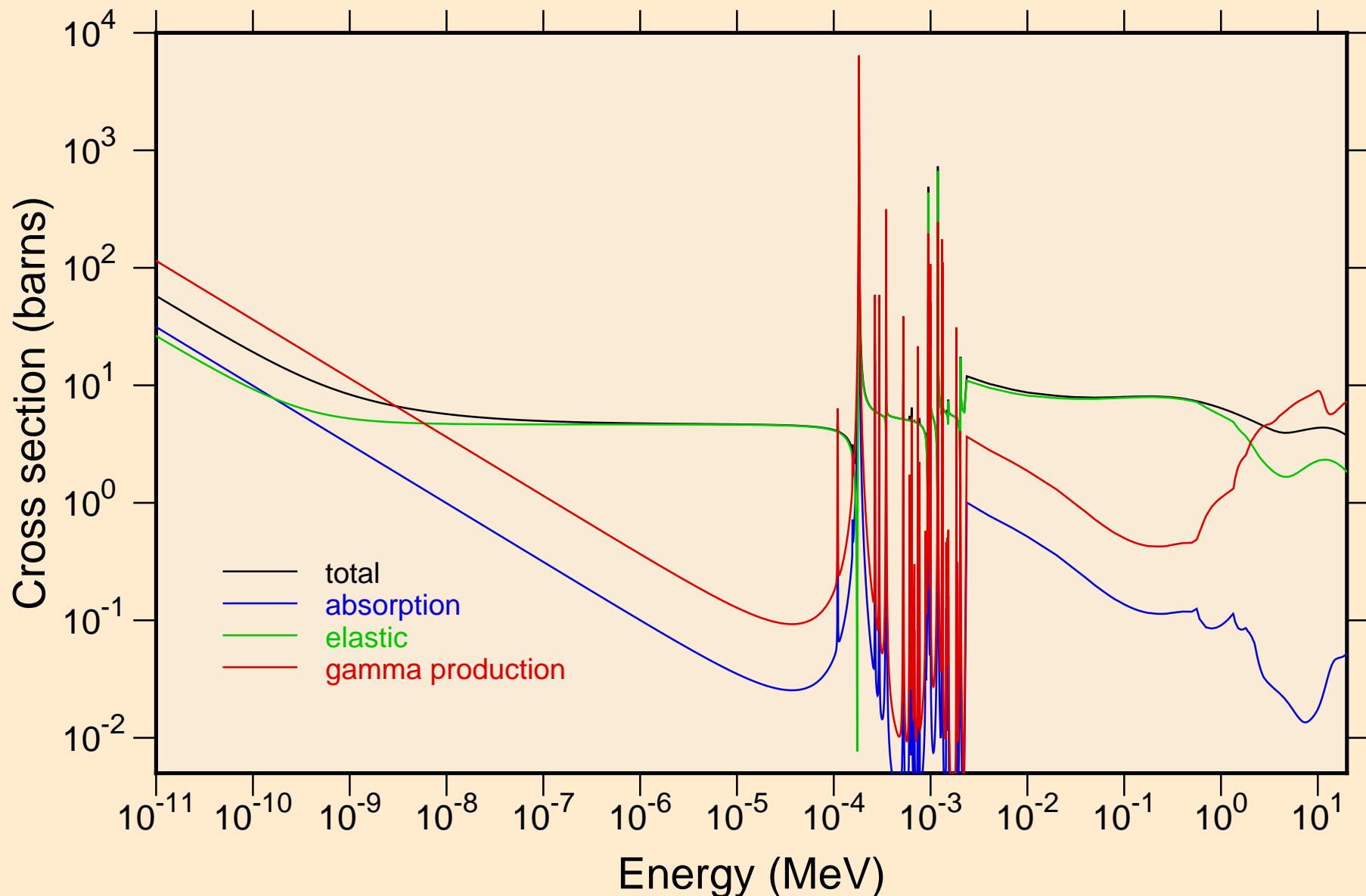
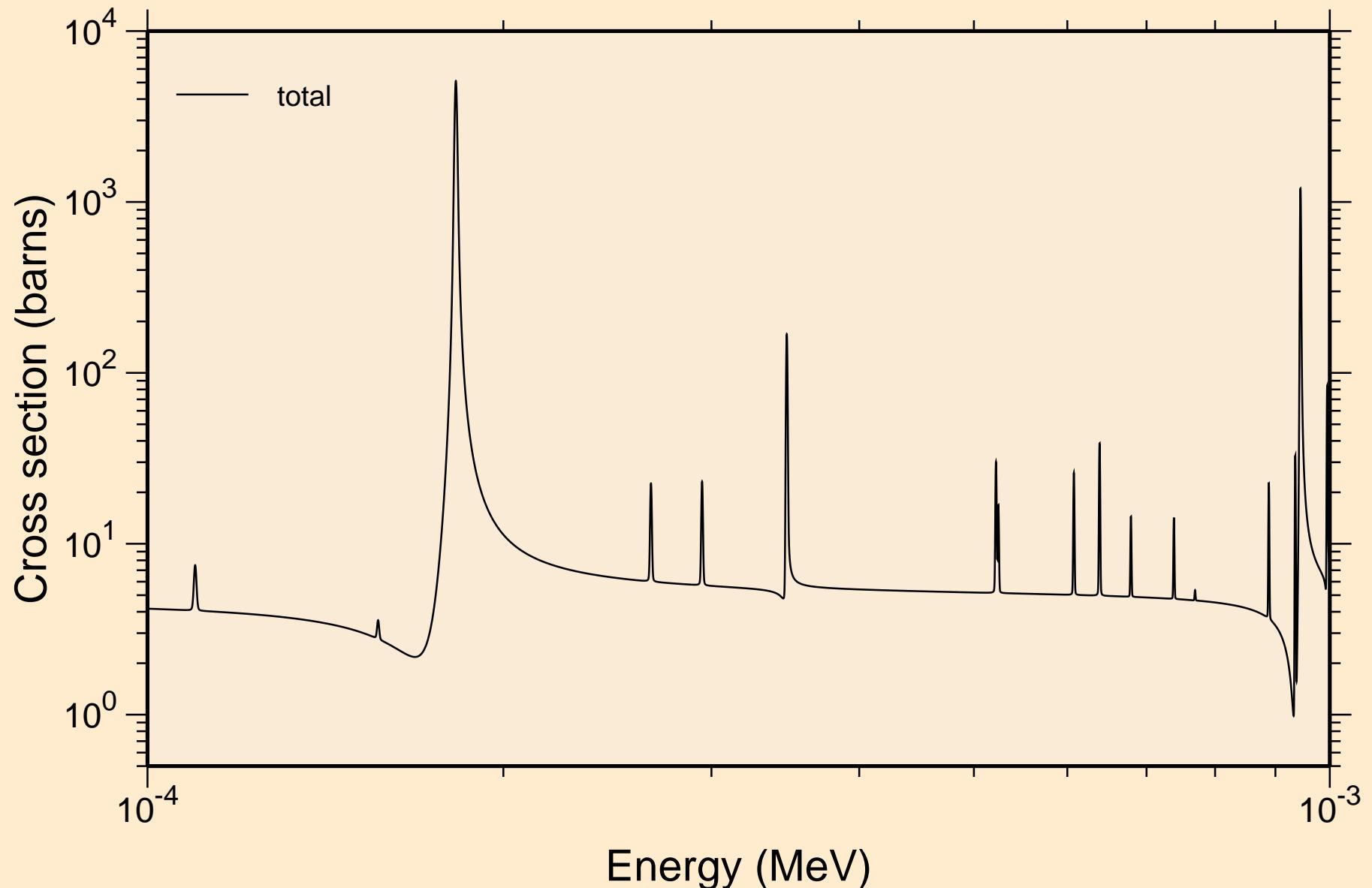


# JENDL-4 PD-104

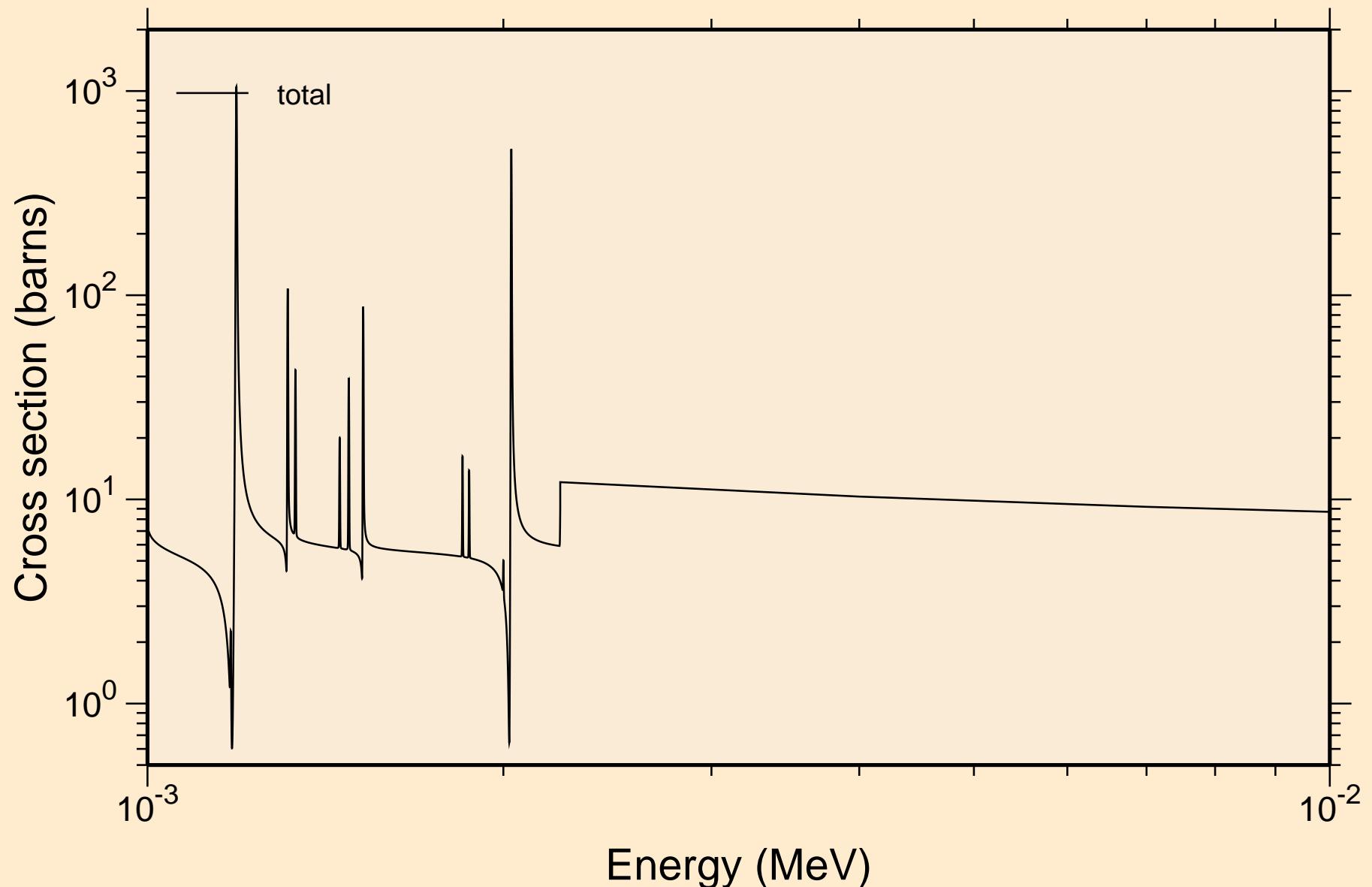
## Principal cross sections



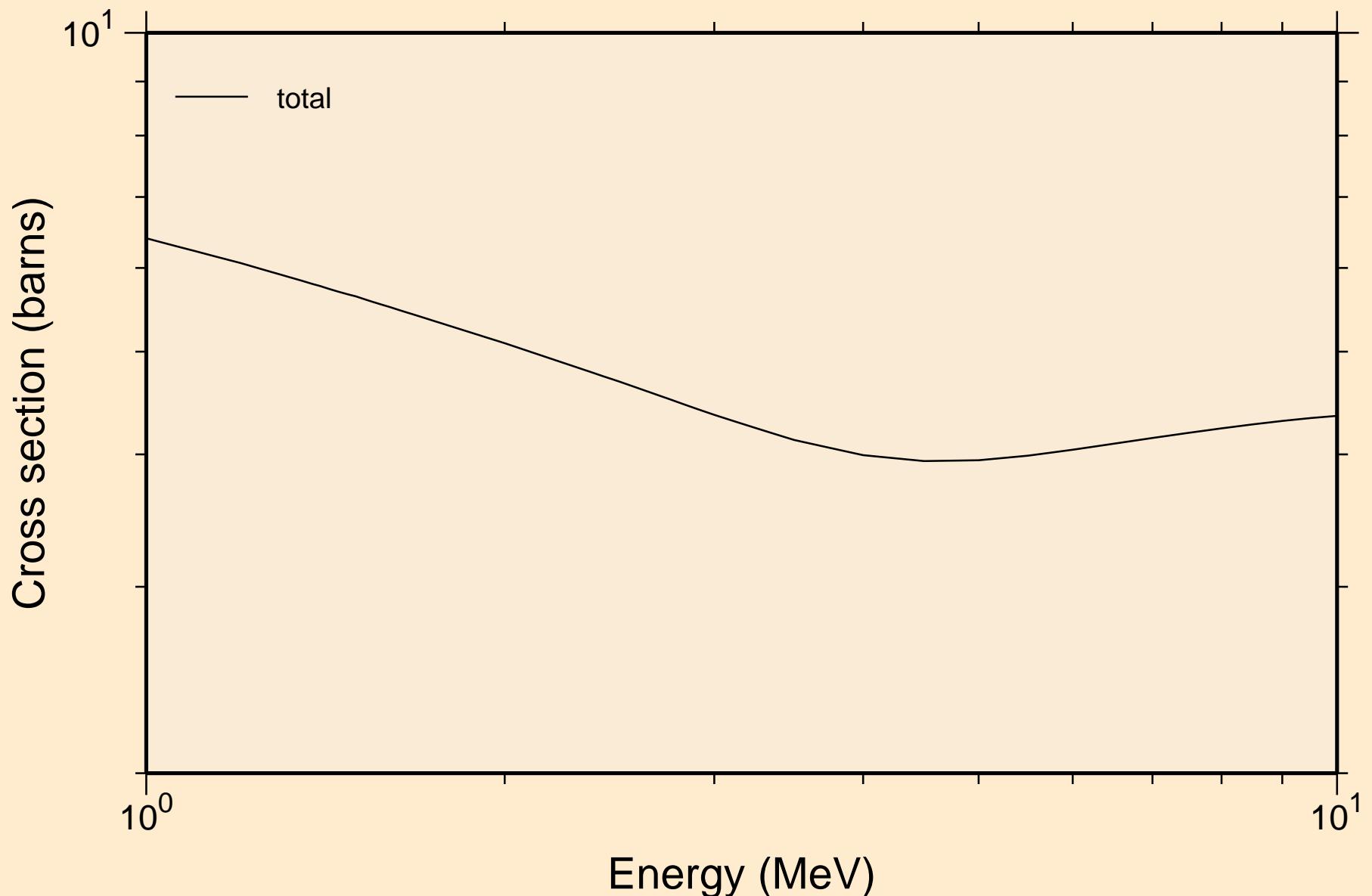
JENDL-4 PD-104  
resonance total cross section



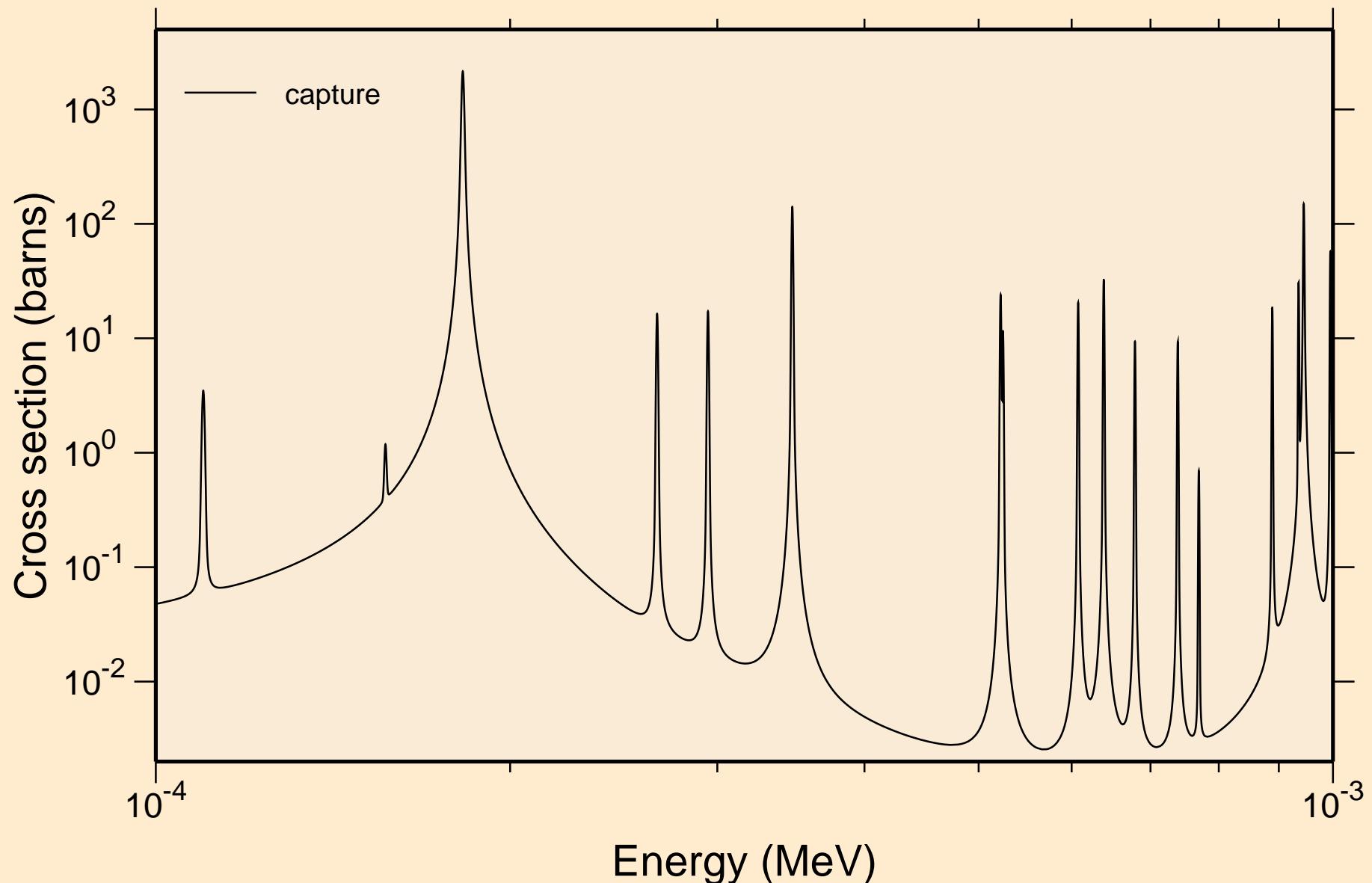
JENDL-4 PD-104  
resonance total cross section



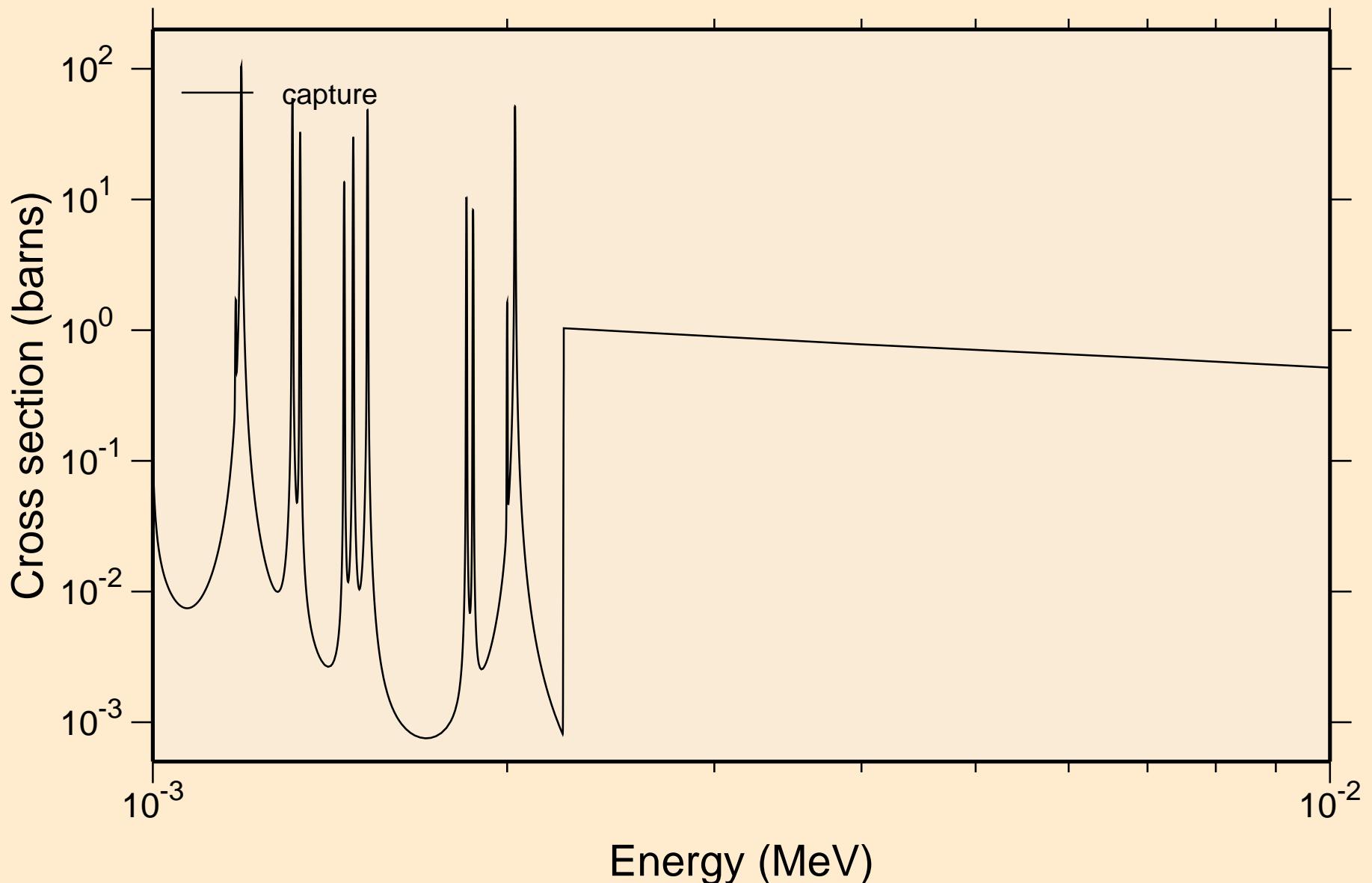
JENDL-4 PD-104  
resonance total cross section



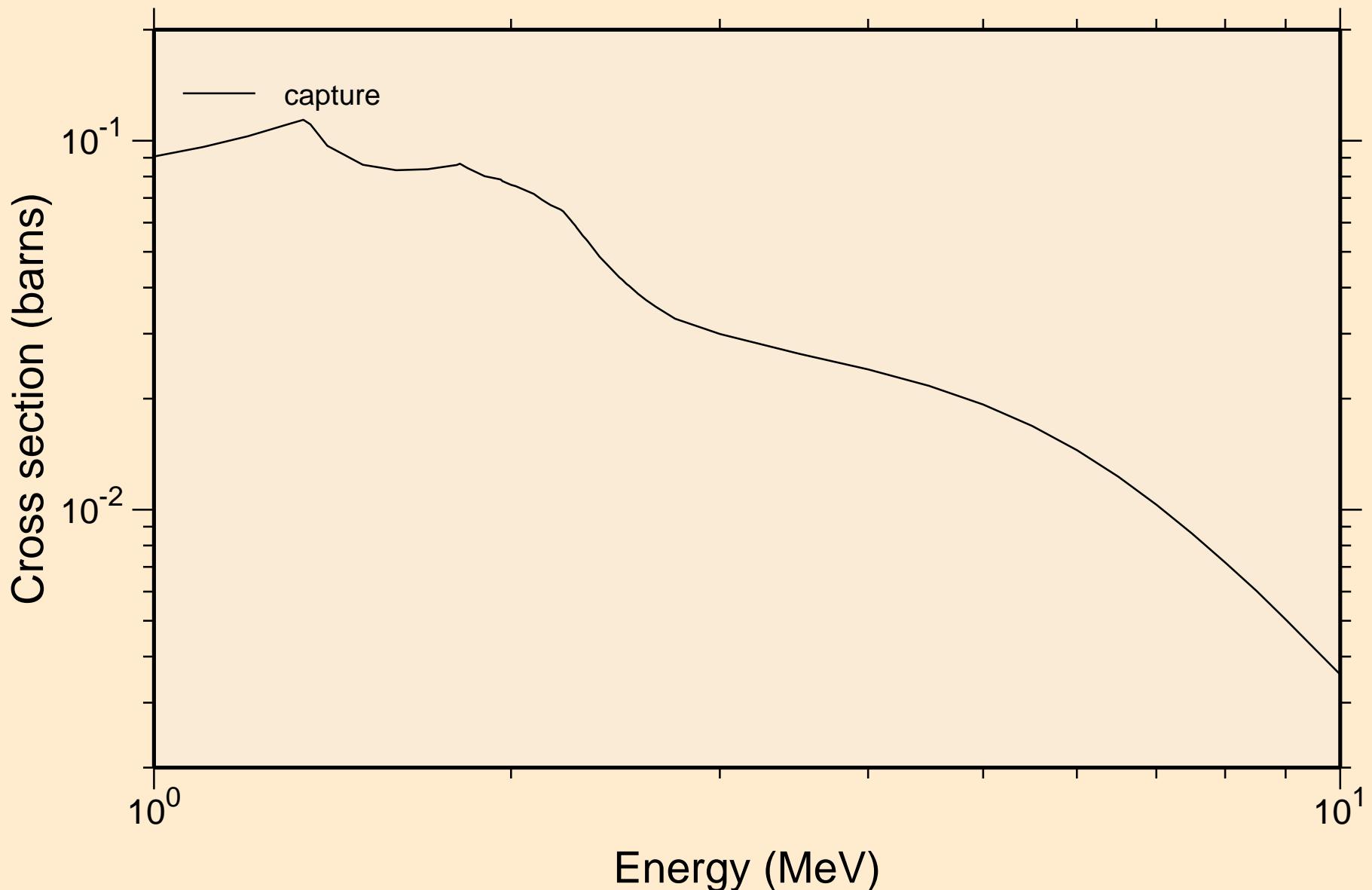
JENDL-4 PD-104  
resonance absorption cross sections



JENDL-4 PD-104  
resonance absorption cross sections

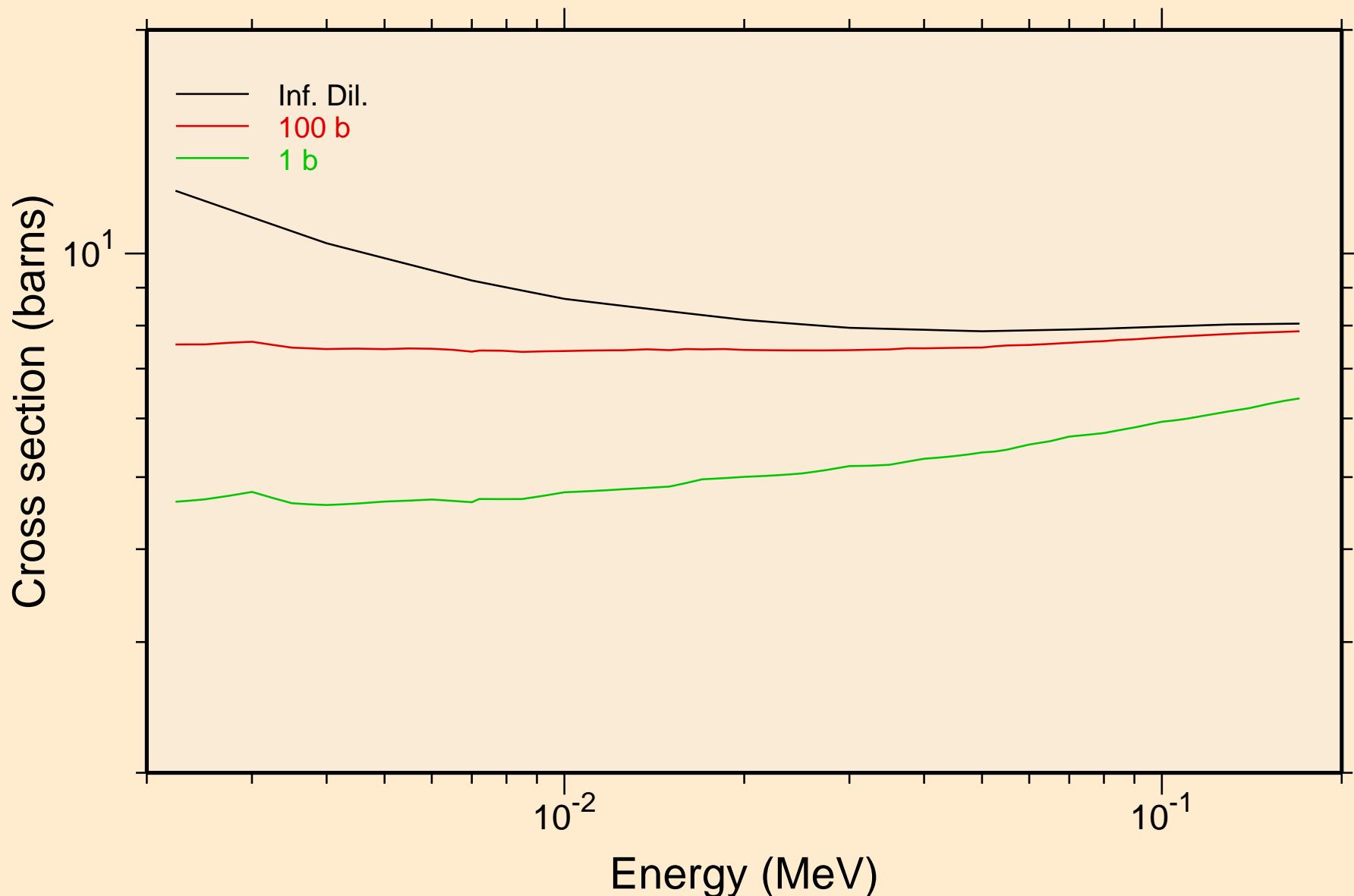


JENDL-4 PD-104  
resonance absorption cross sections



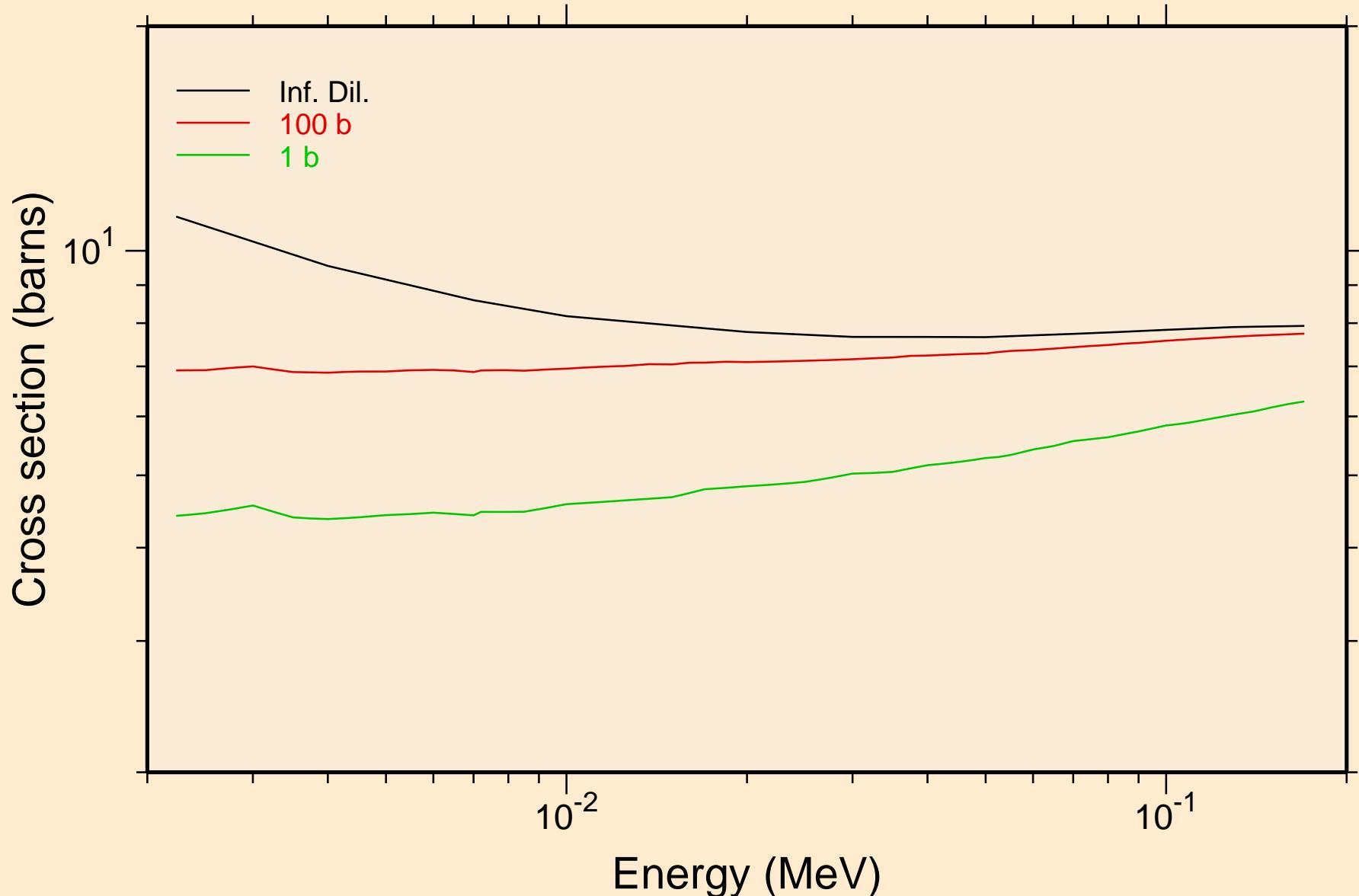
# JENDL-4 PD-104

## UR total cross section



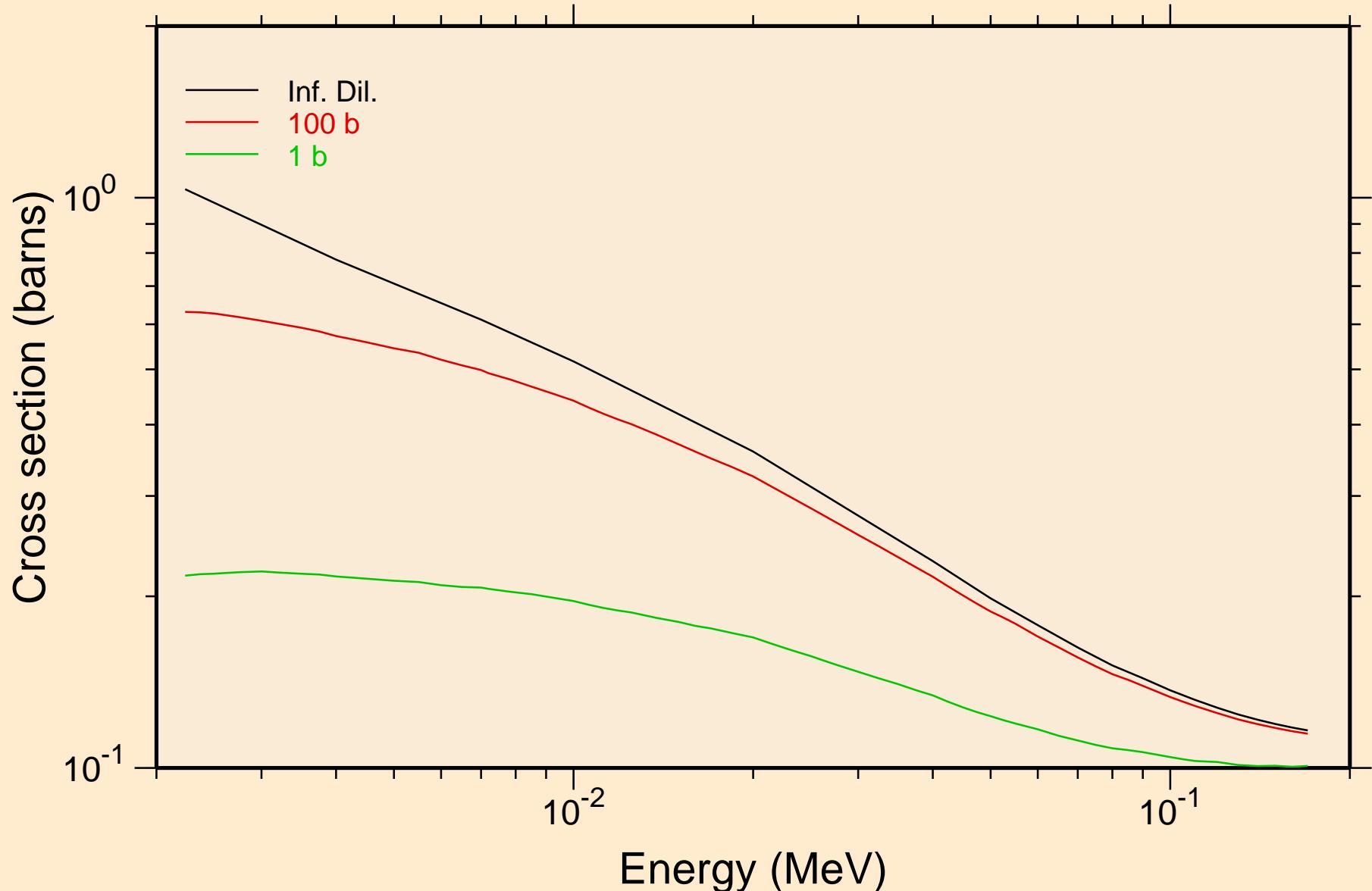
# JENDL-4 PD-104

## UR elastic cross section

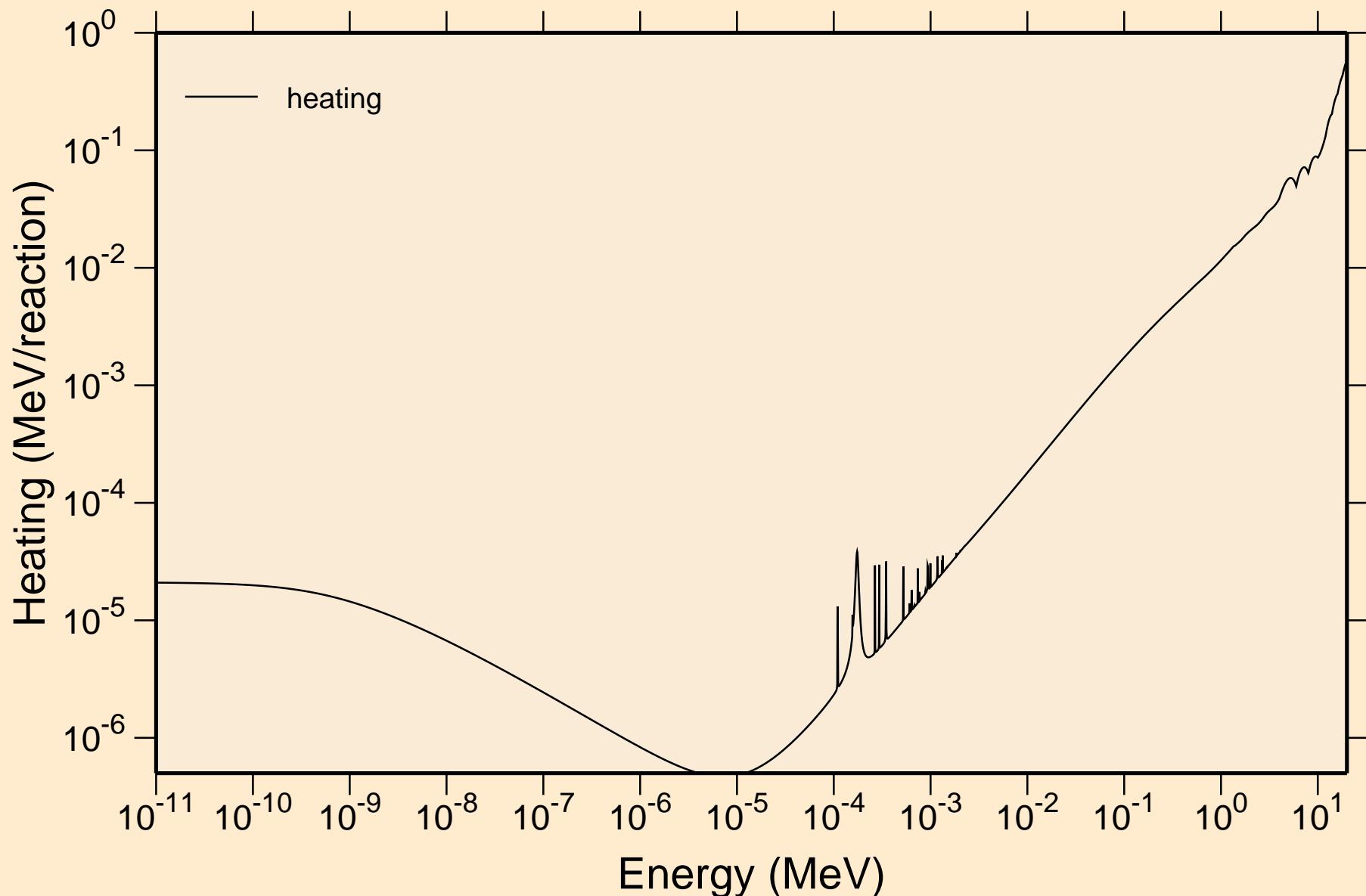


# JENDL-4 PD-104

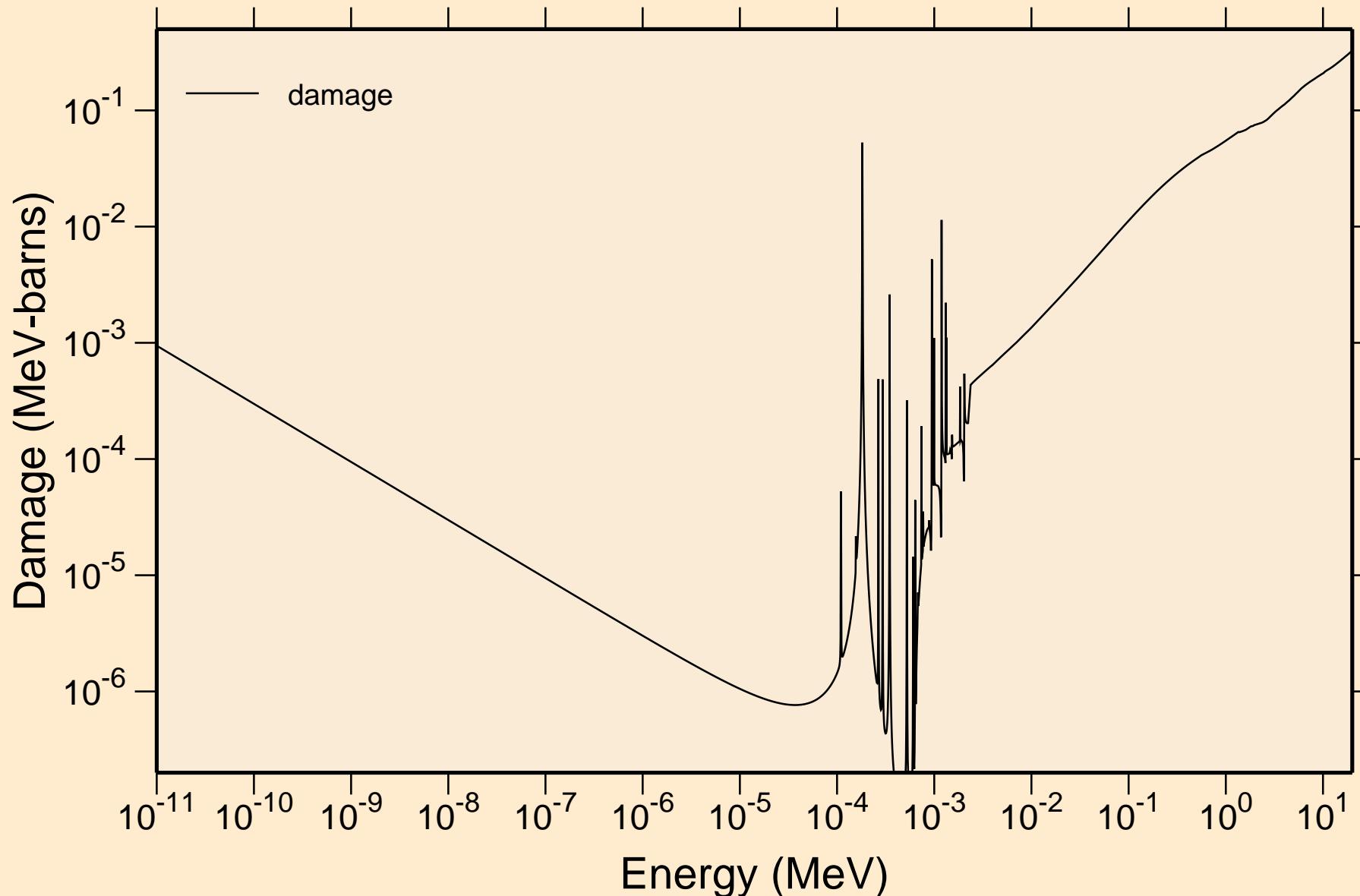
## UR capture cross section



JENDL-4 PD-104  
Heating

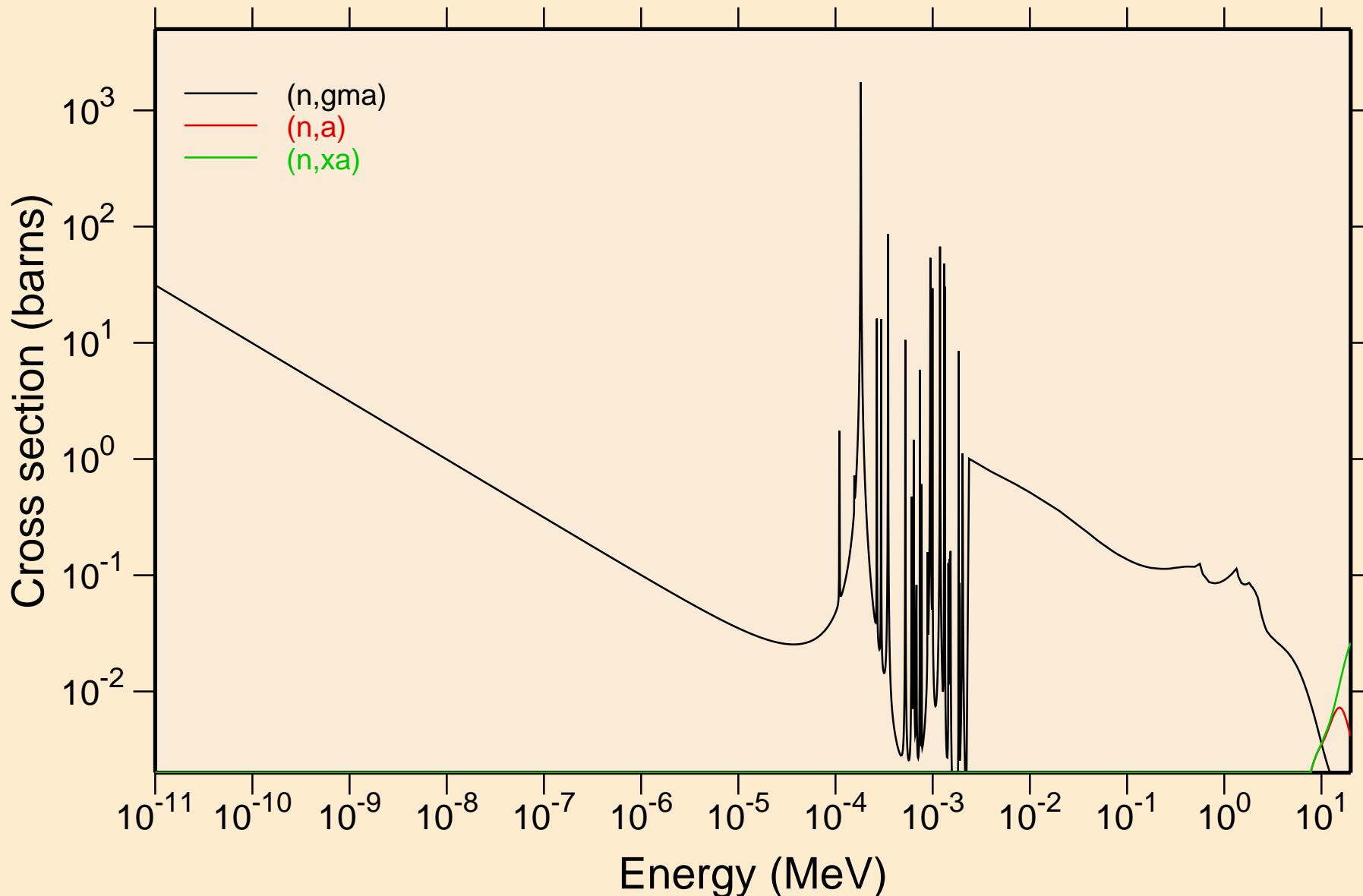


JENDL-4 PD-104  
Damage



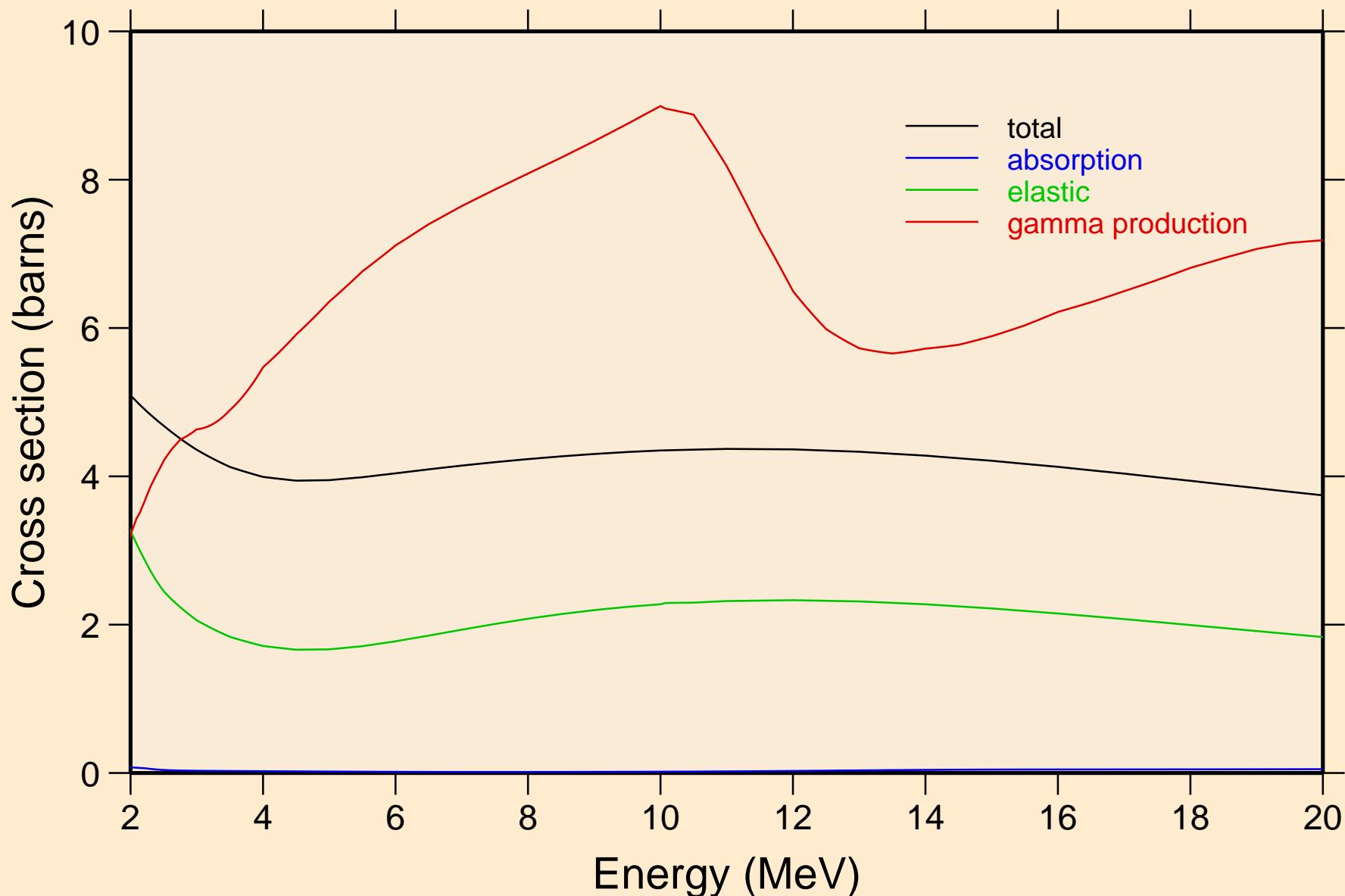
# JENDL-4 PD-104

## Non-threshold reactions

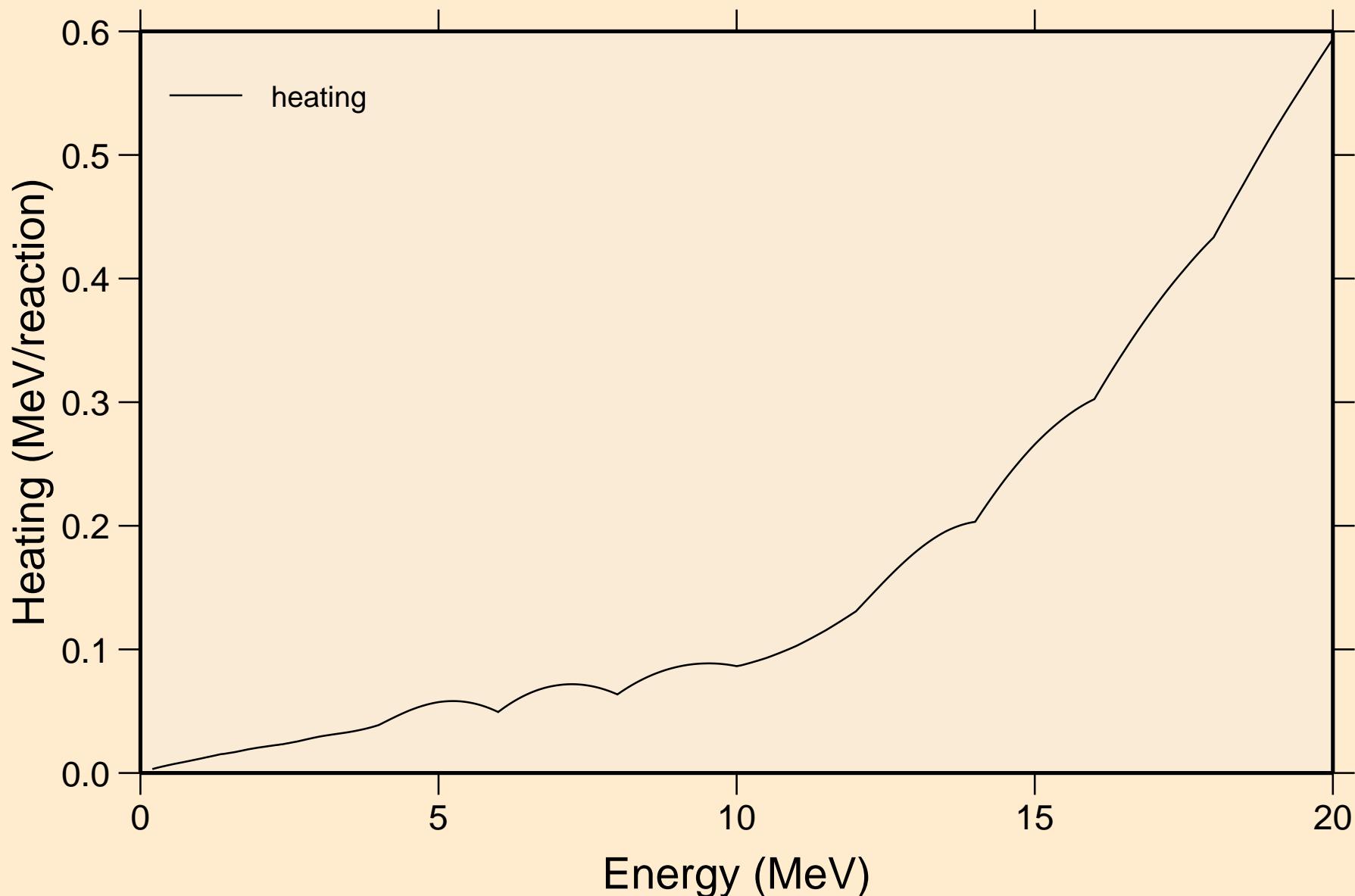


# JENDL-4 PD-104

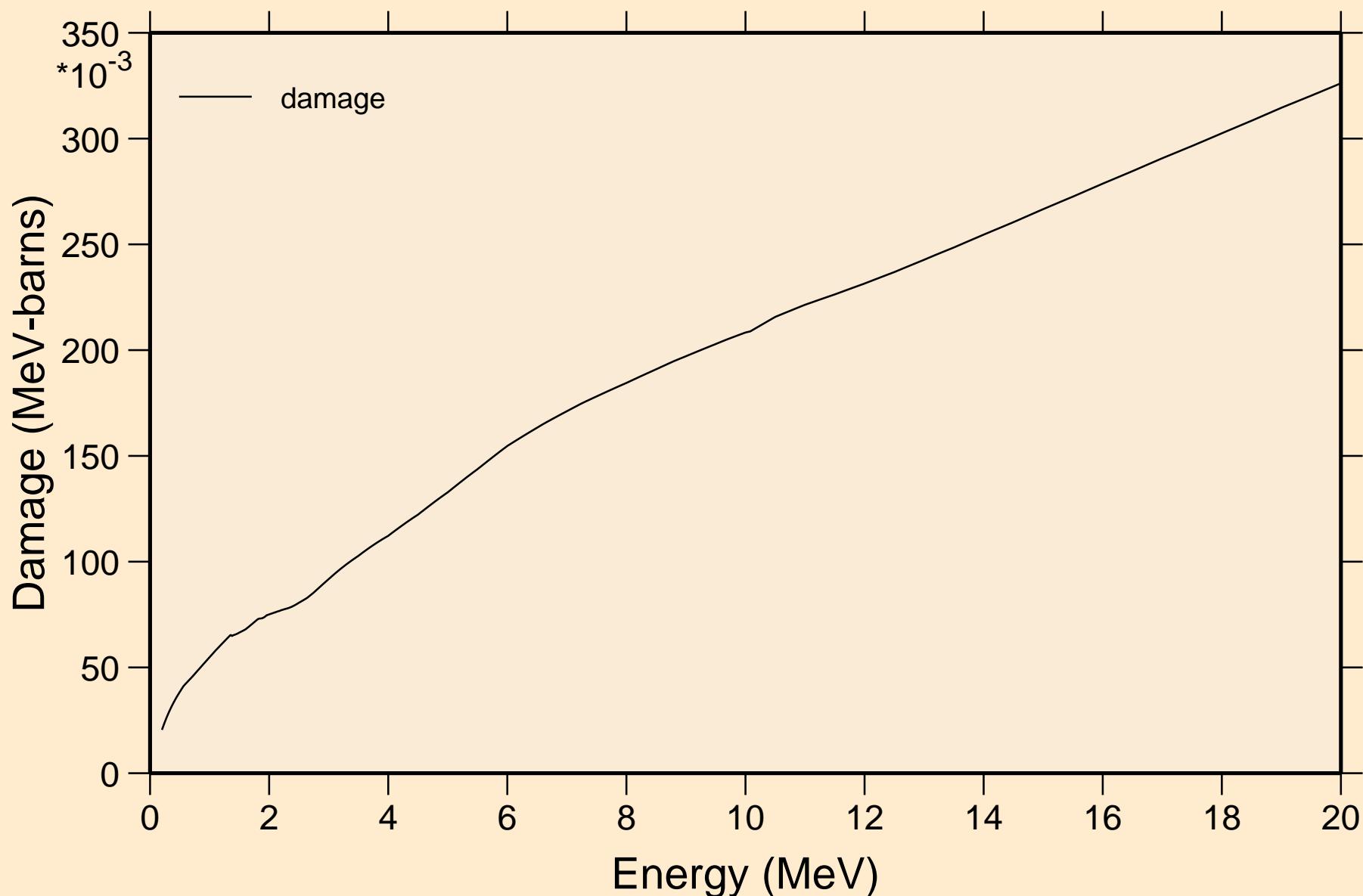
## Principal cross sections



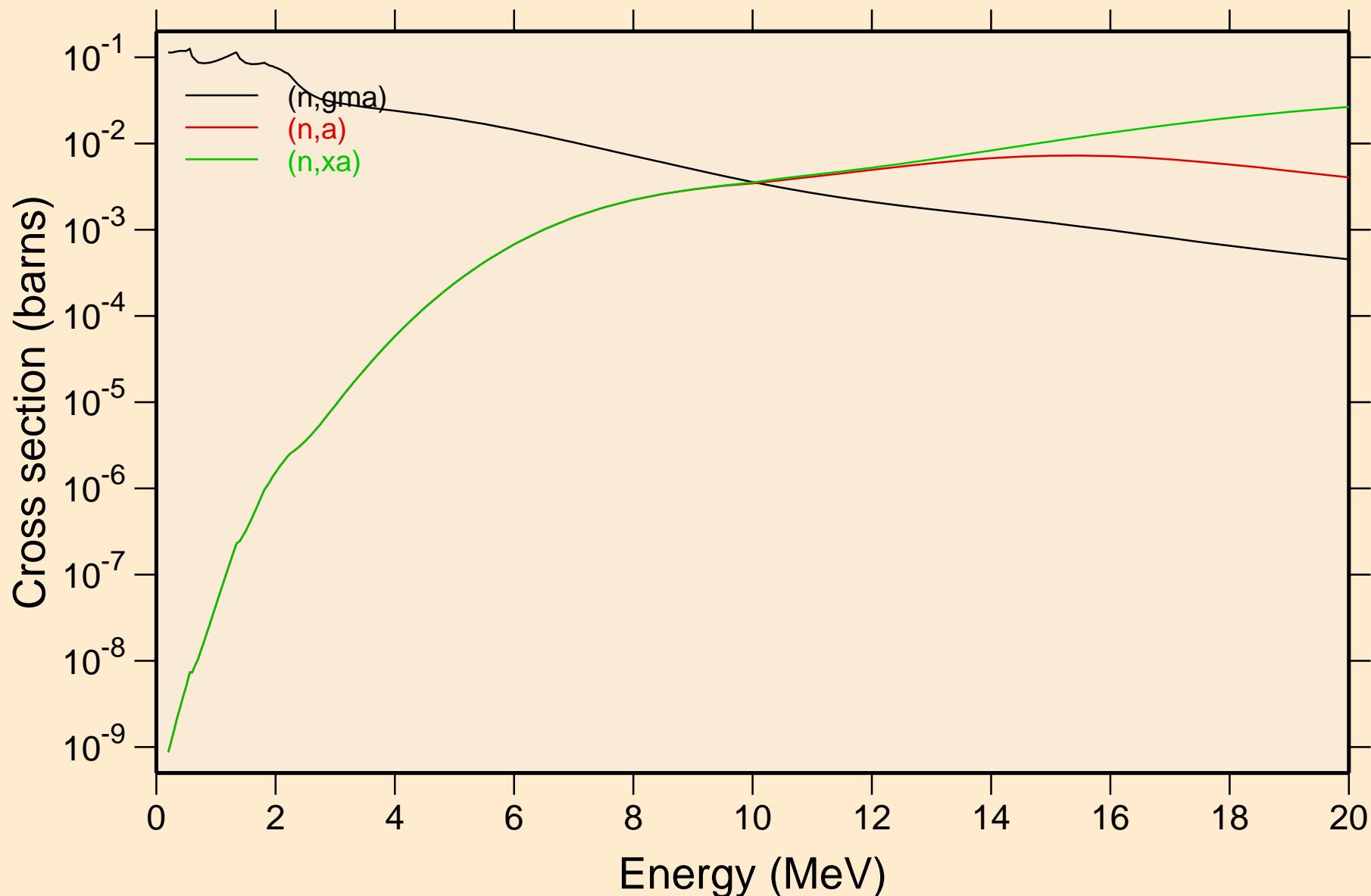
JENDL-4 PD-104  
Heating



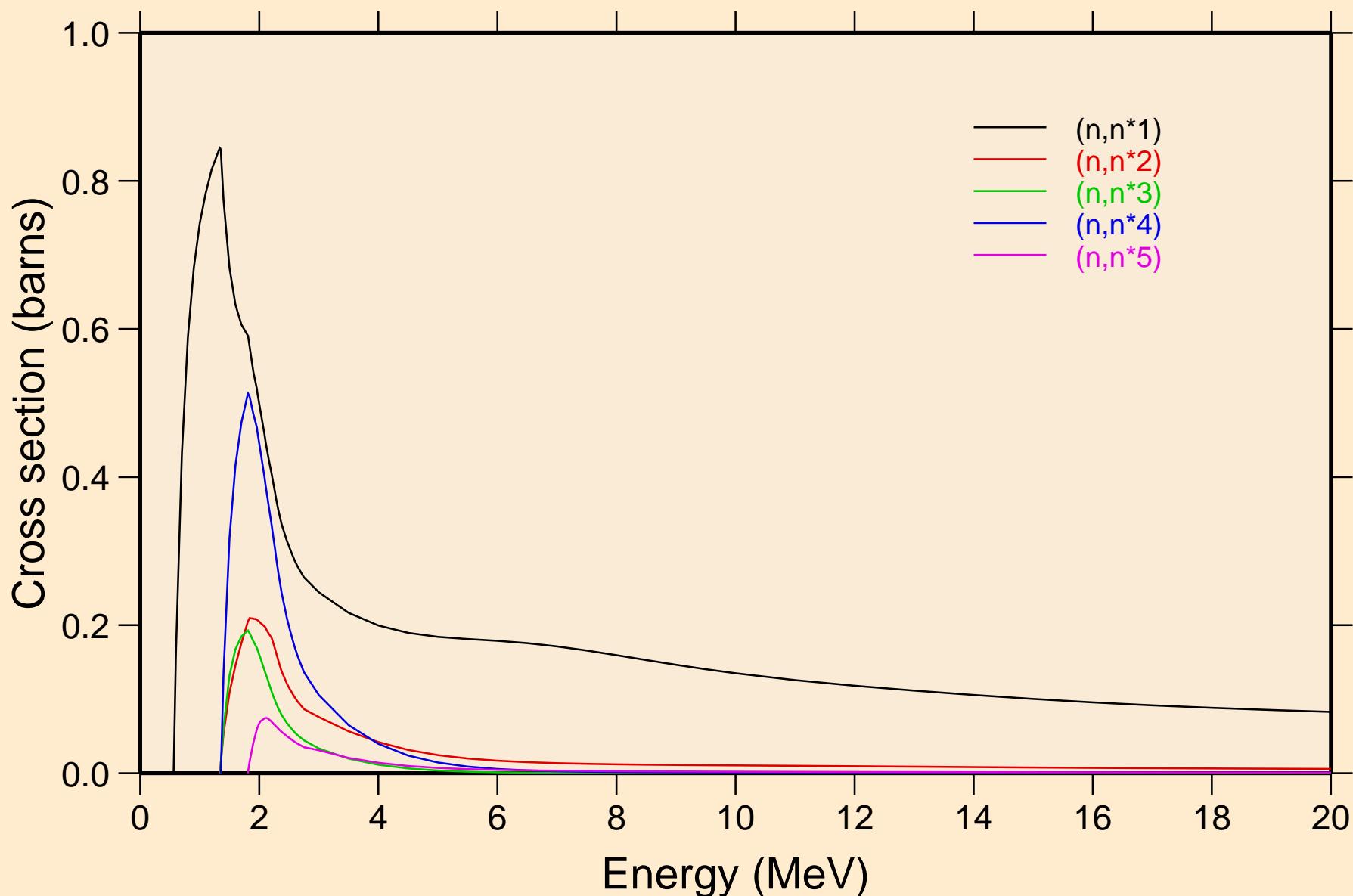
JENDL-4 PD-104  
Damage



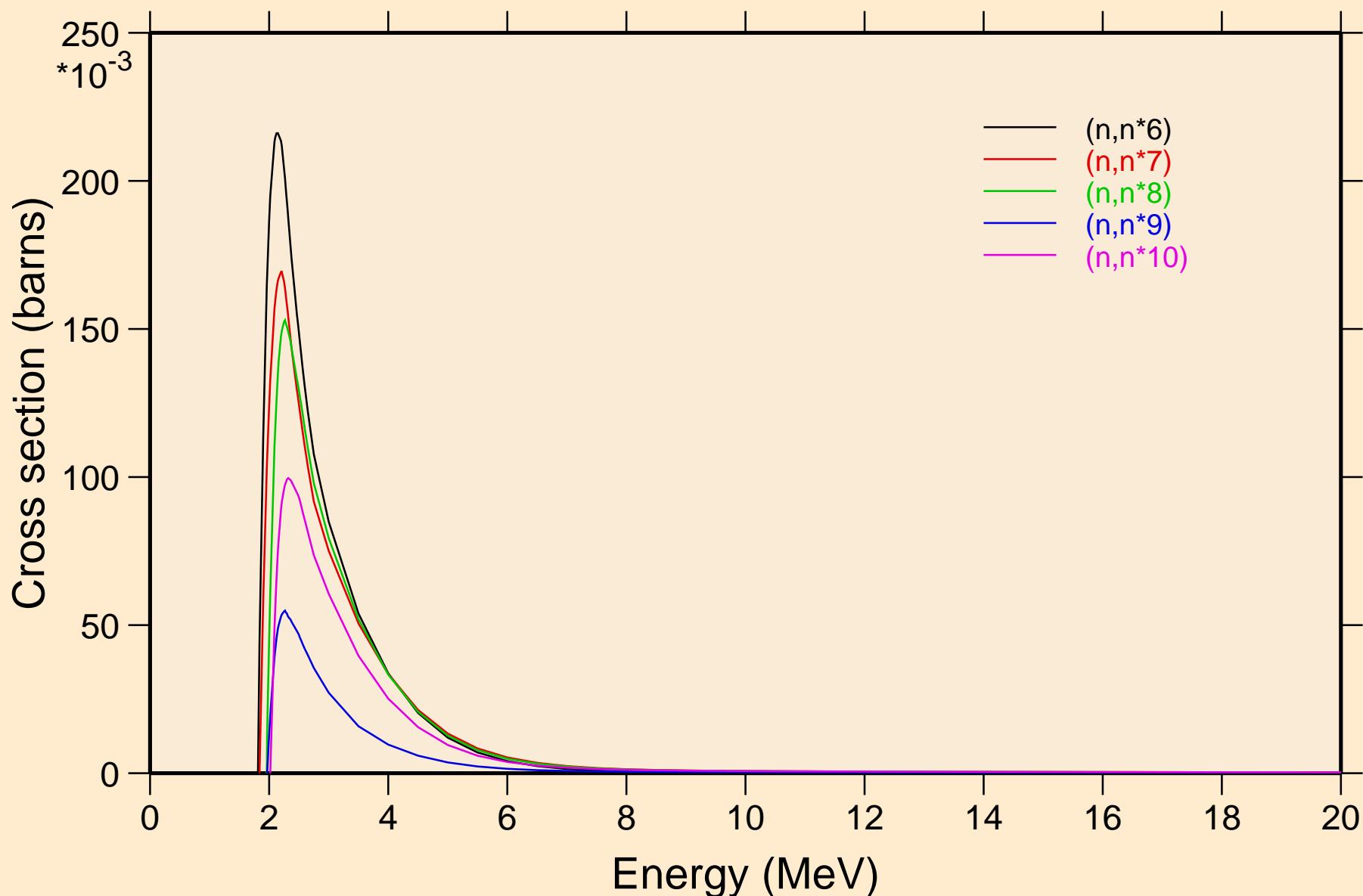
JENDL-4 PD-104  
Non-threshold reactions



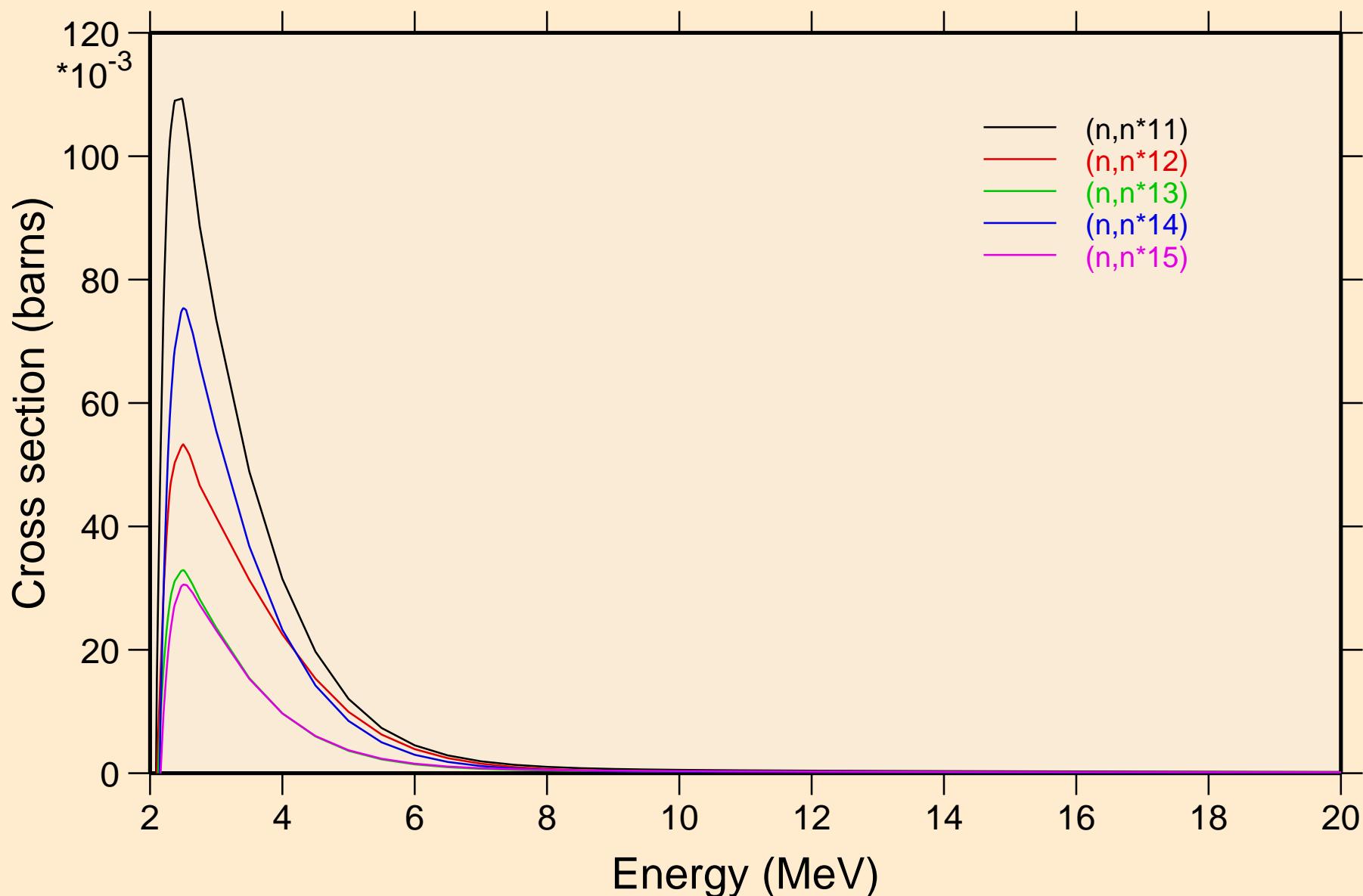
JENDL-4 PD-104  
Inelastic levels



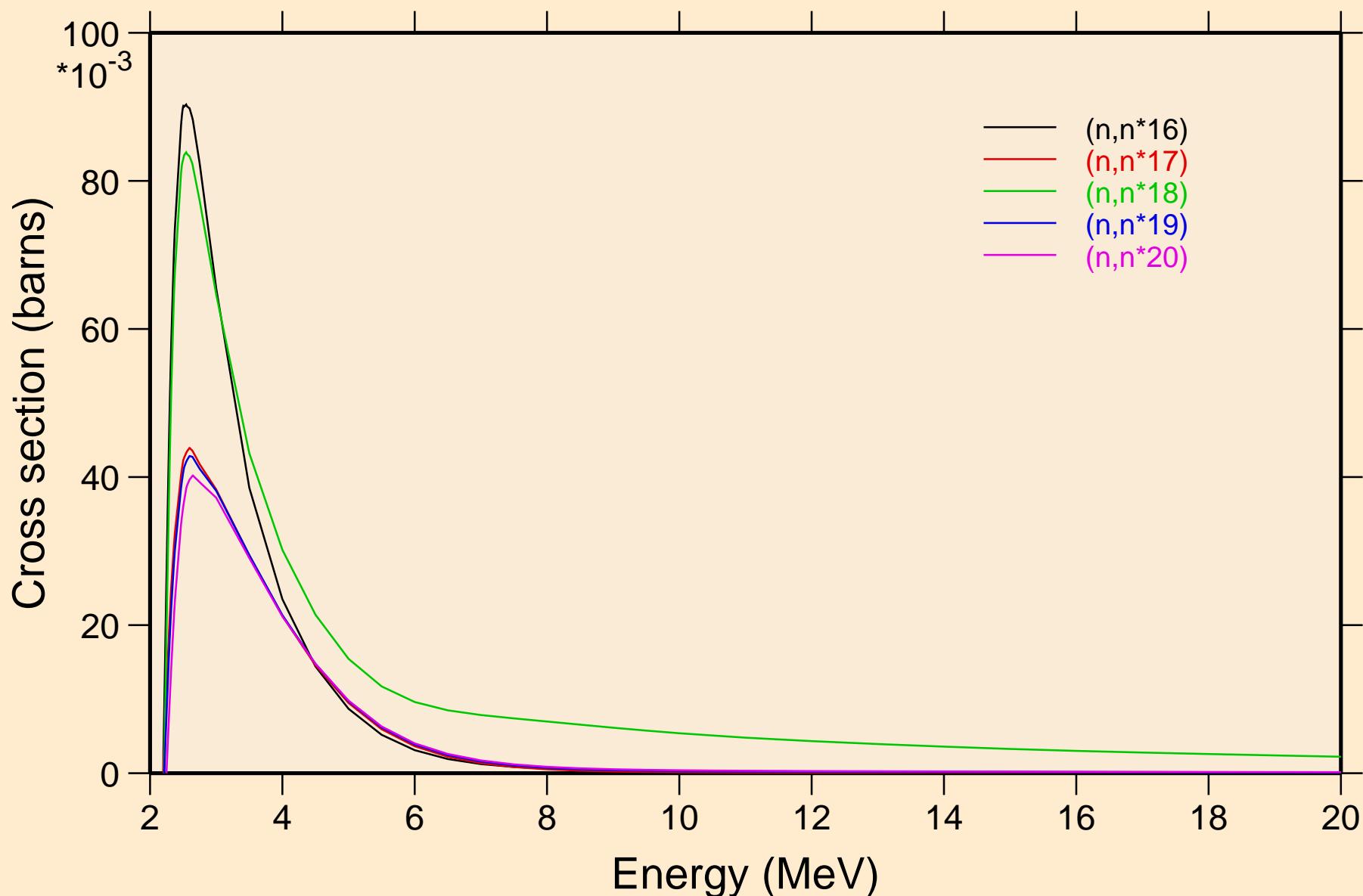
JENDL-4 PD-104  
Inelastic levels



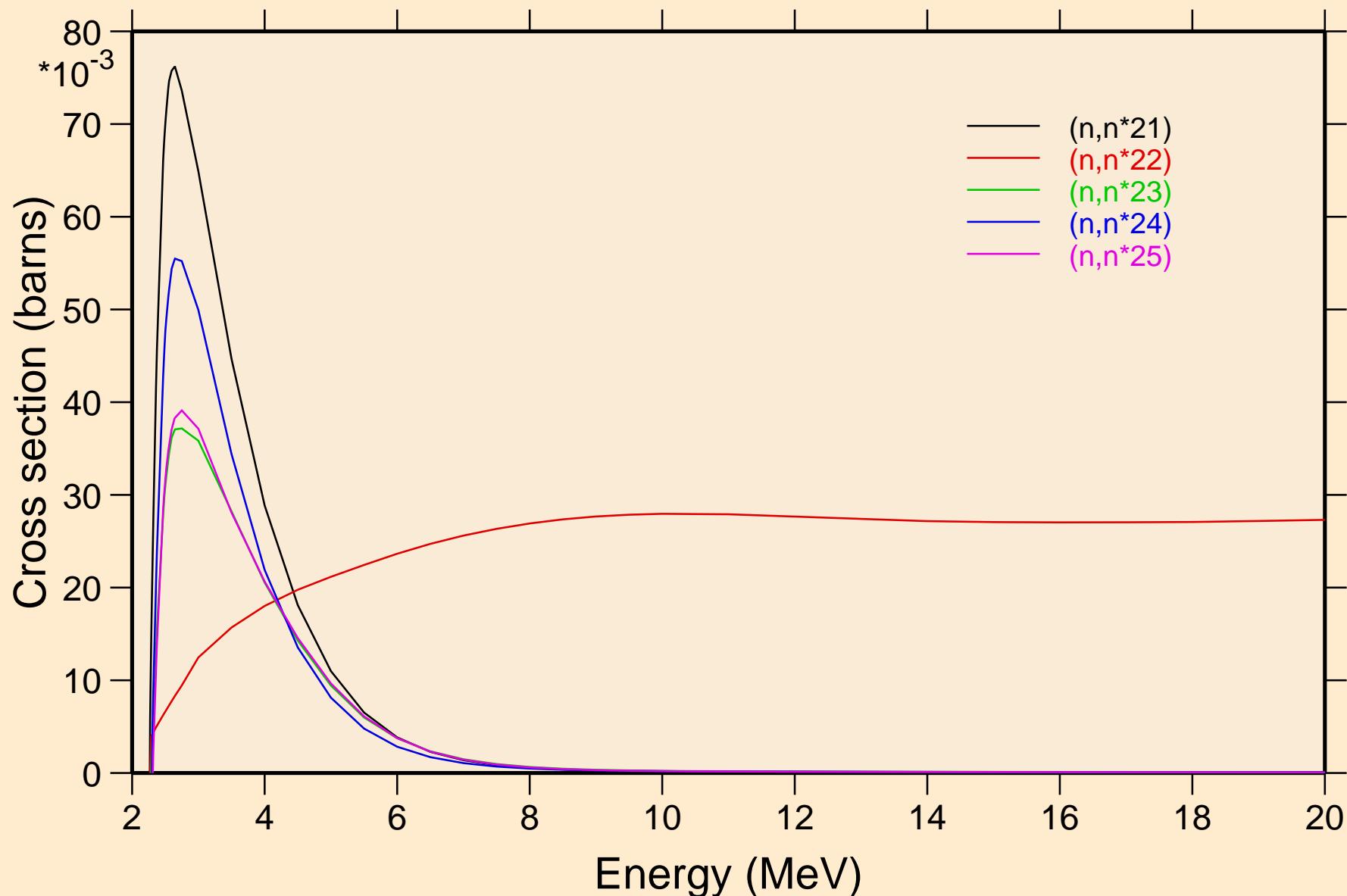
JENDL-4 PD-104  
Inelastic levels



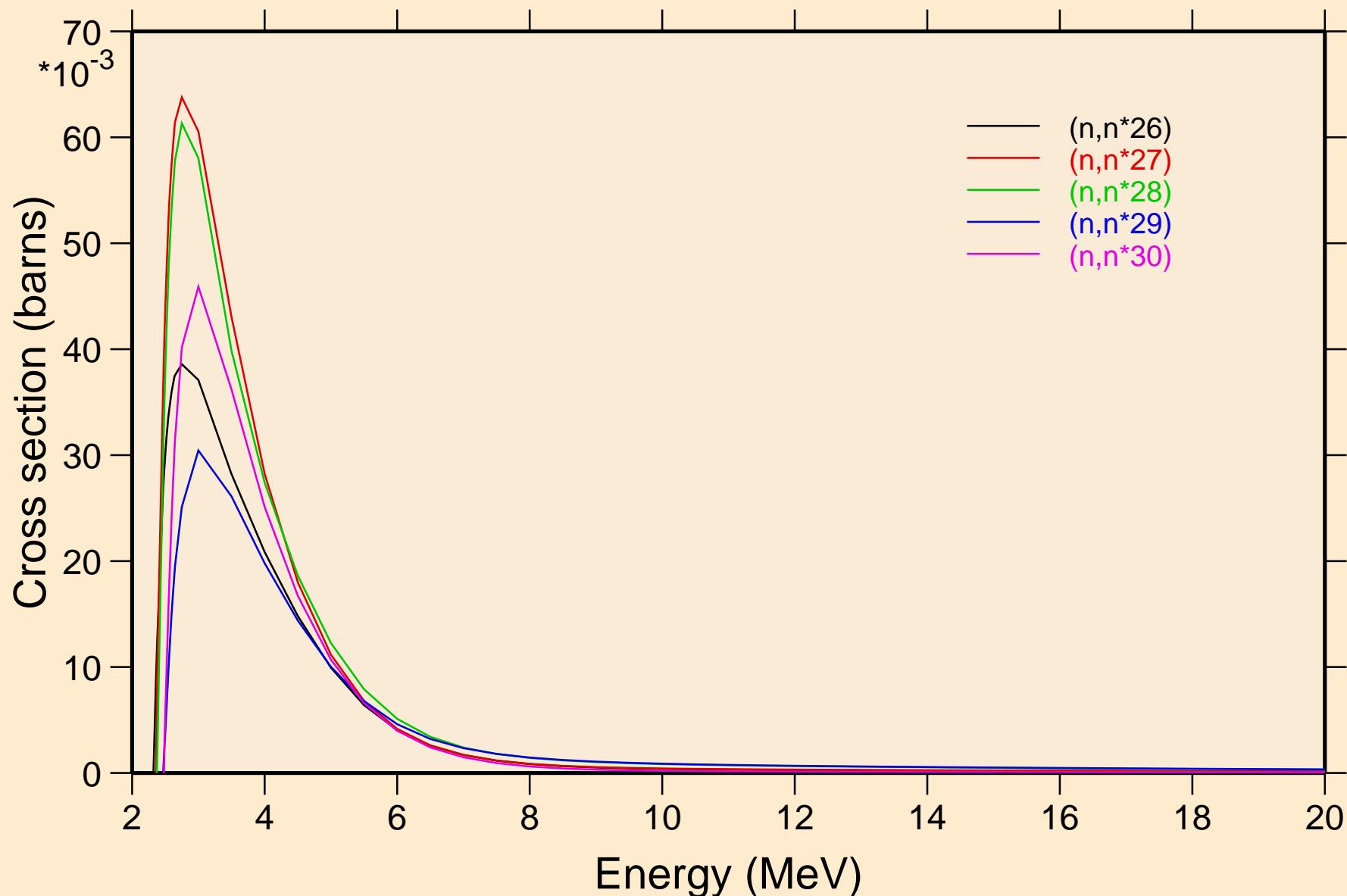
JENDL-4 PD-104  
Inelastic levels



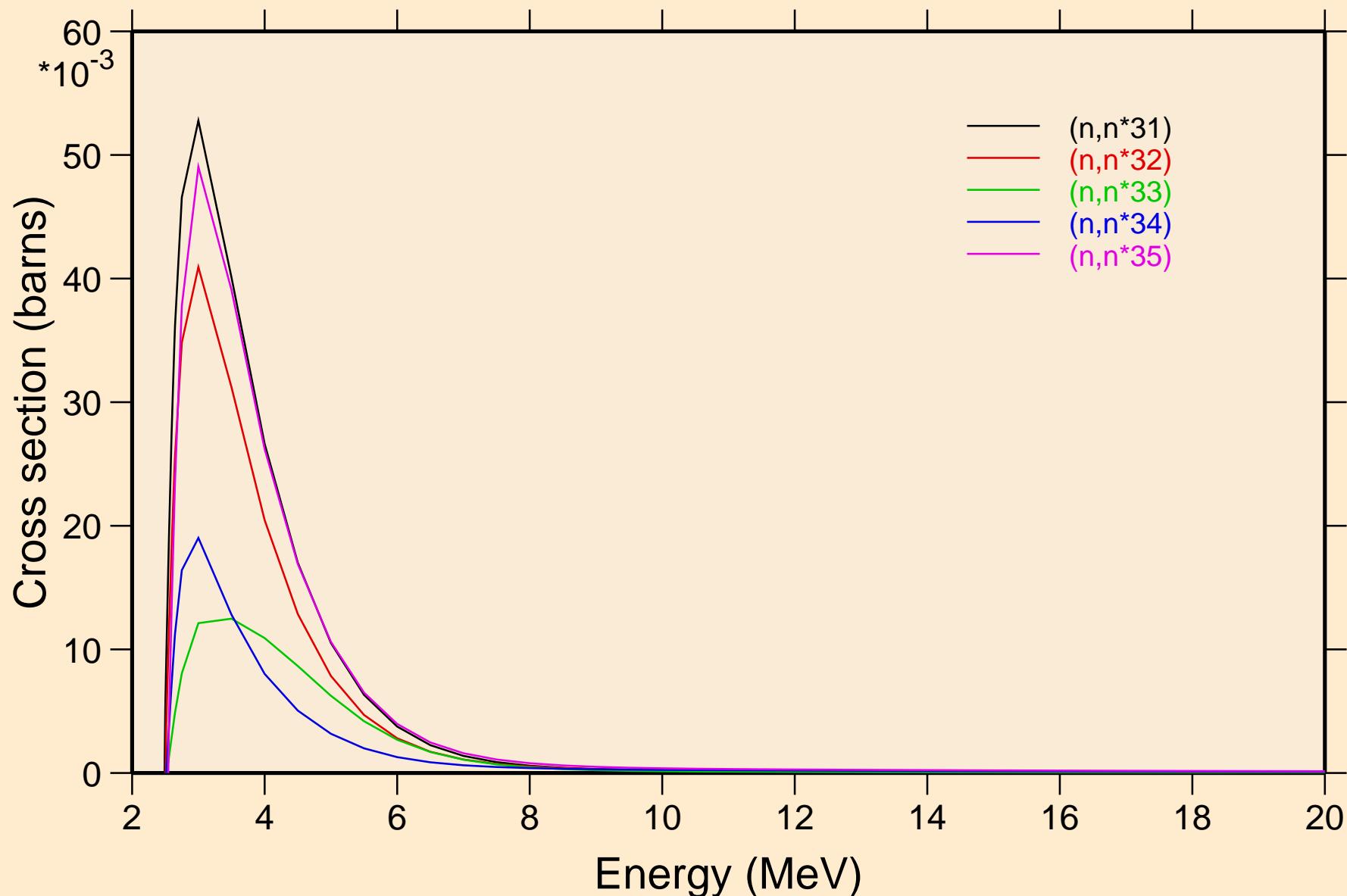
JENDL-4 PD-104  
Inelastic levels



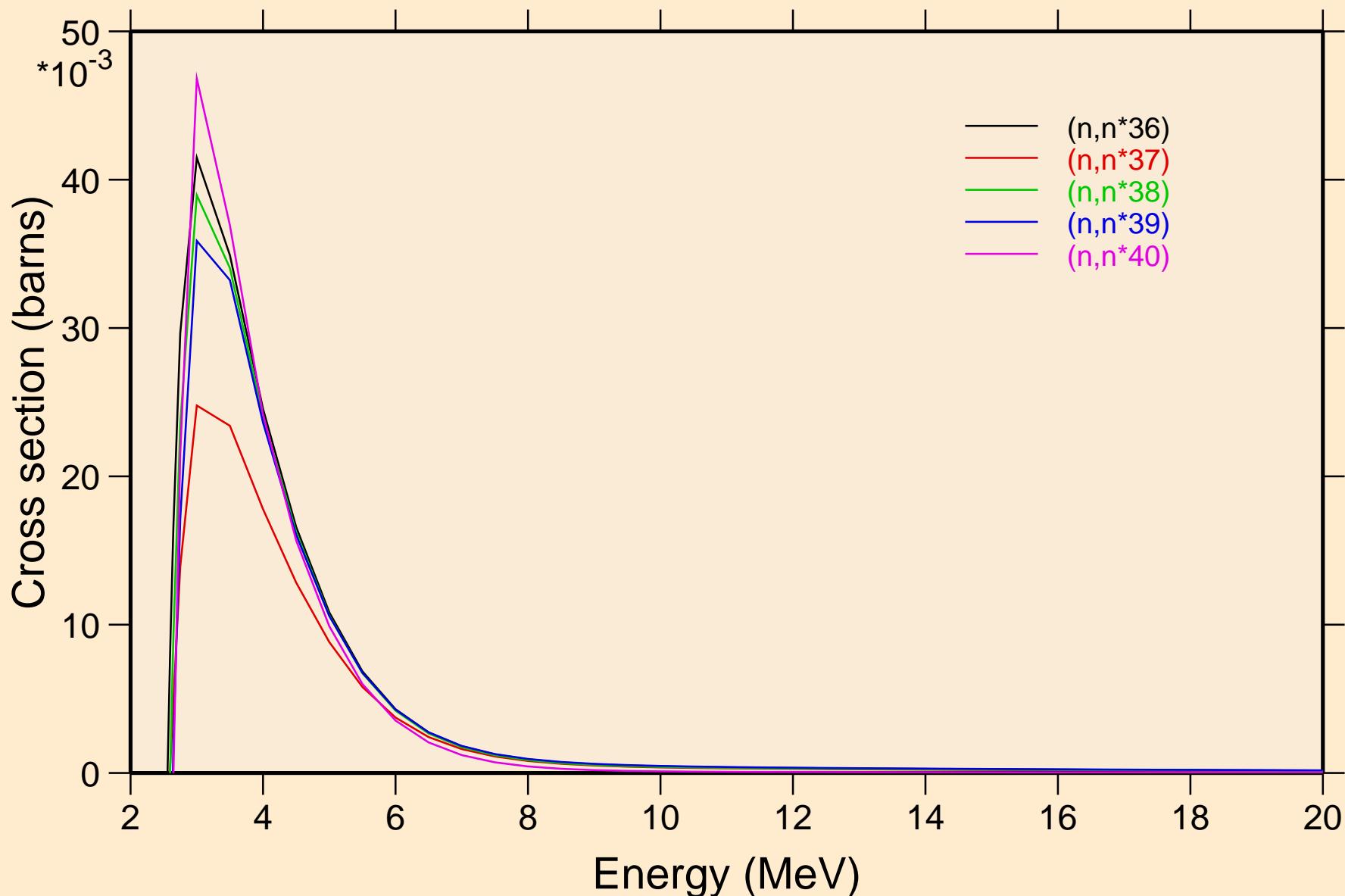
JENDL-4 PD-104  
Inelastic levels



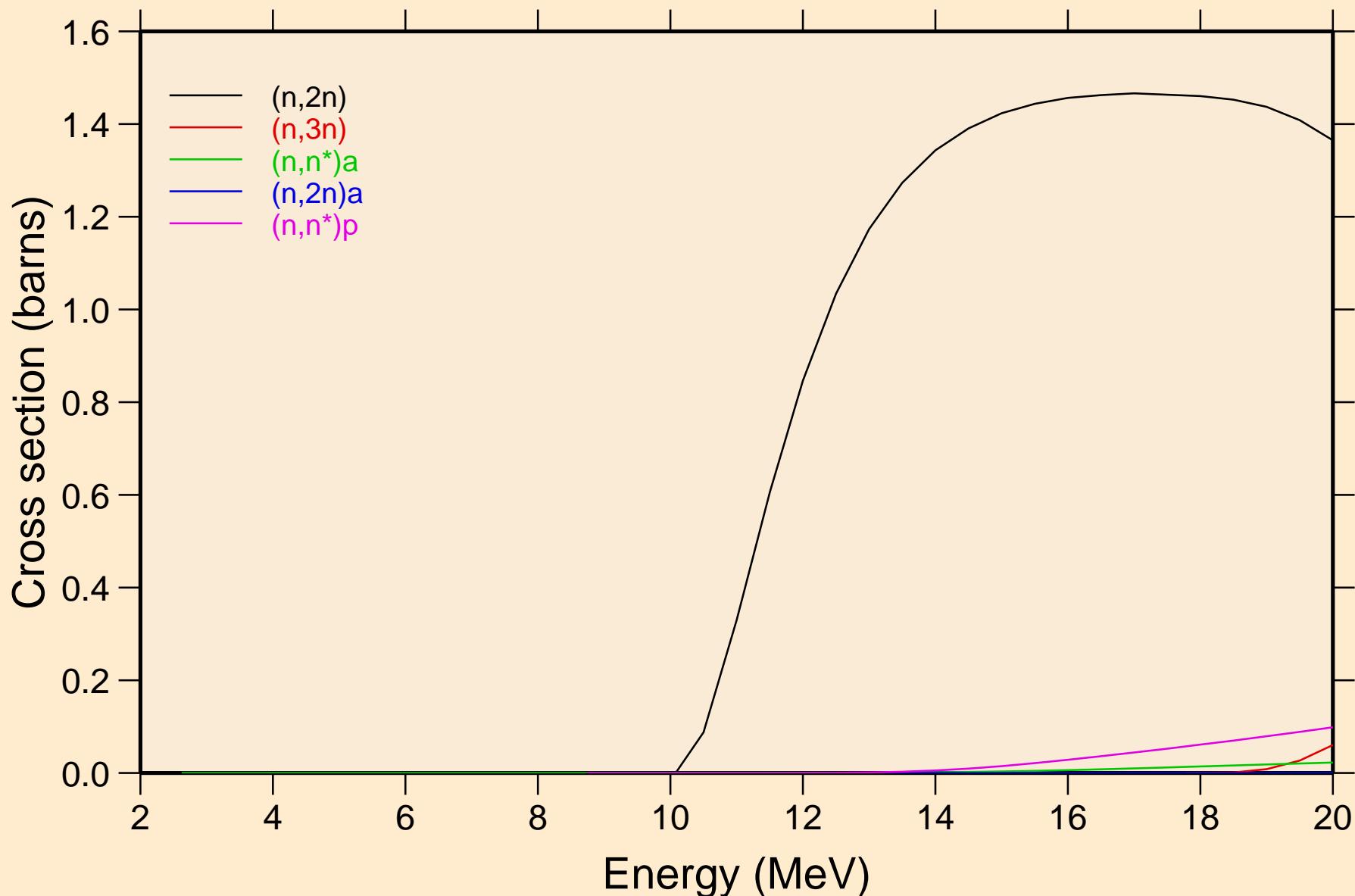
JENDL-4 PD-104  
Inelastic levels



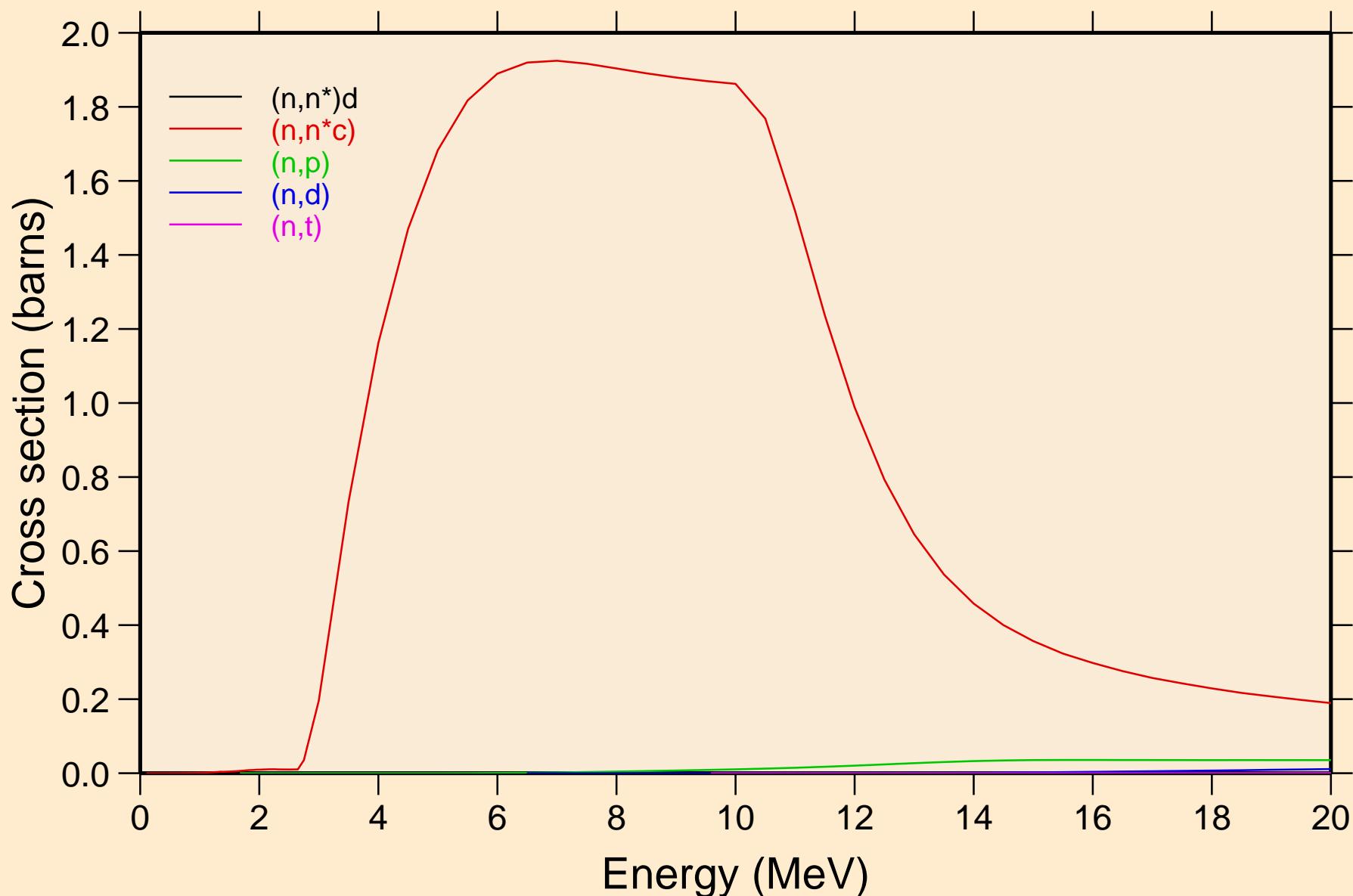
JENDL-4 PD-104  
Inelastic levels



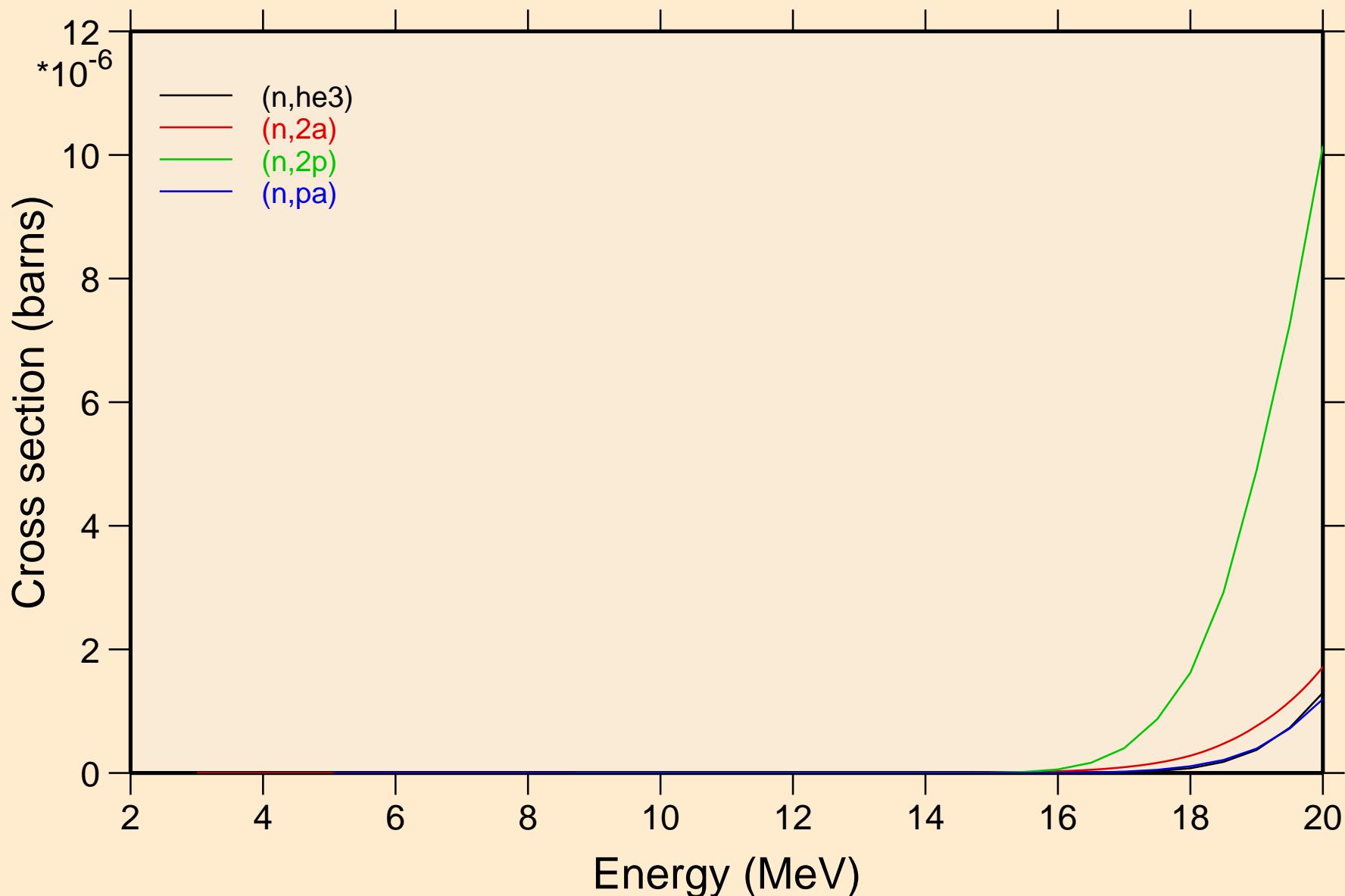
JENDL-4 PD-104  
Threshold reactions



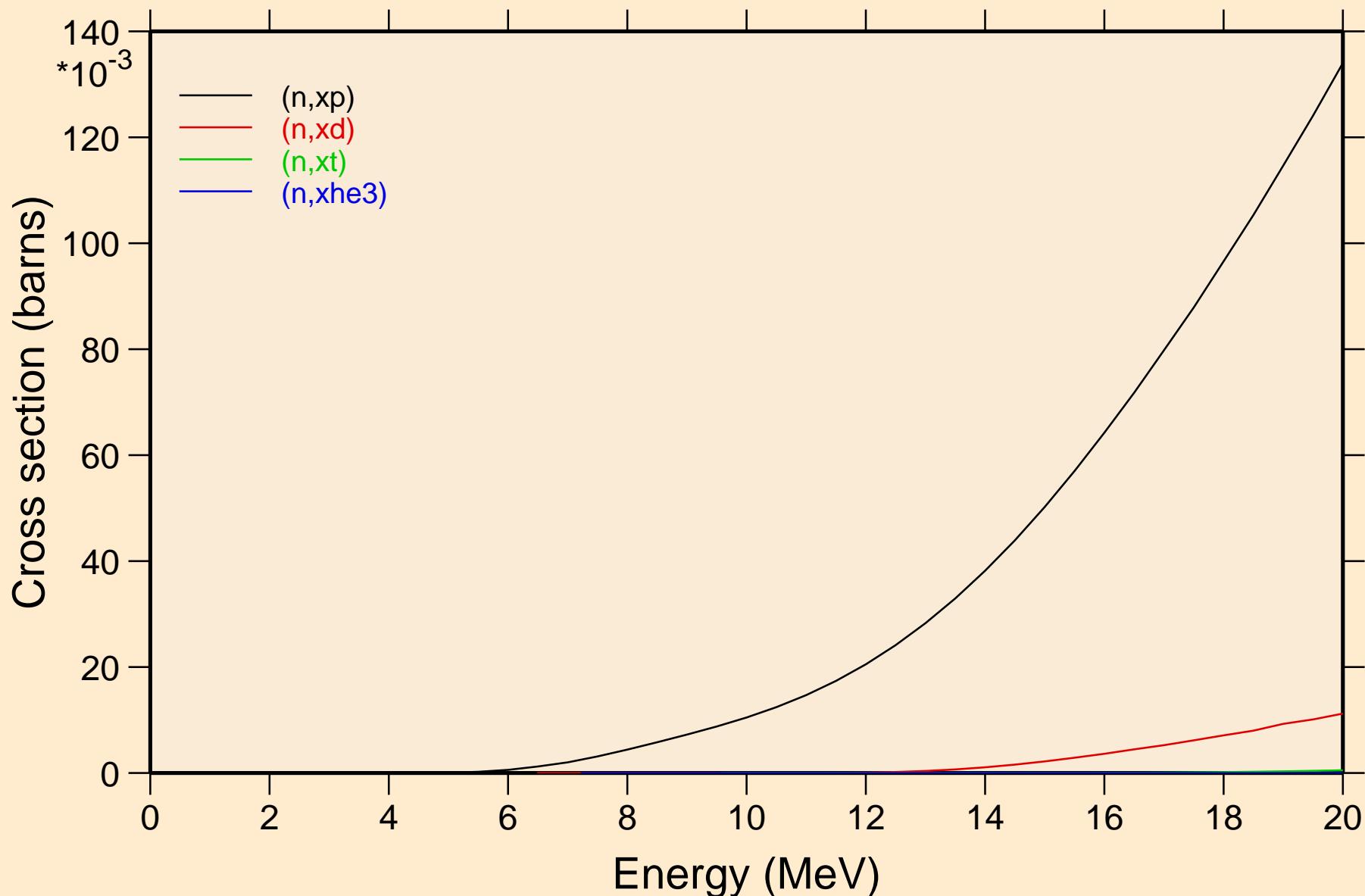
JENDL-4 PD-104  
Threshold reactions



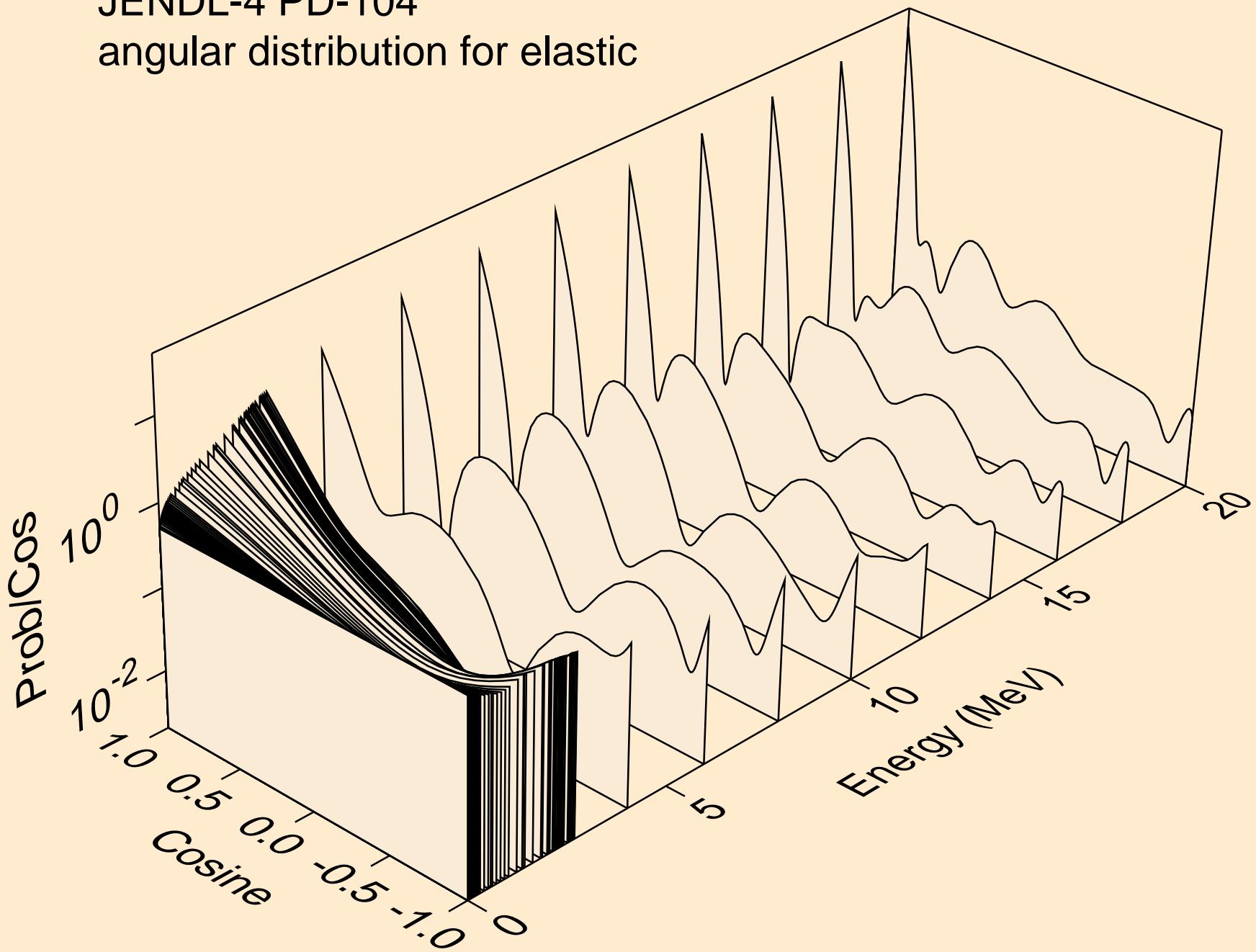
JENDL-4 PD-104  
Threshold reactions



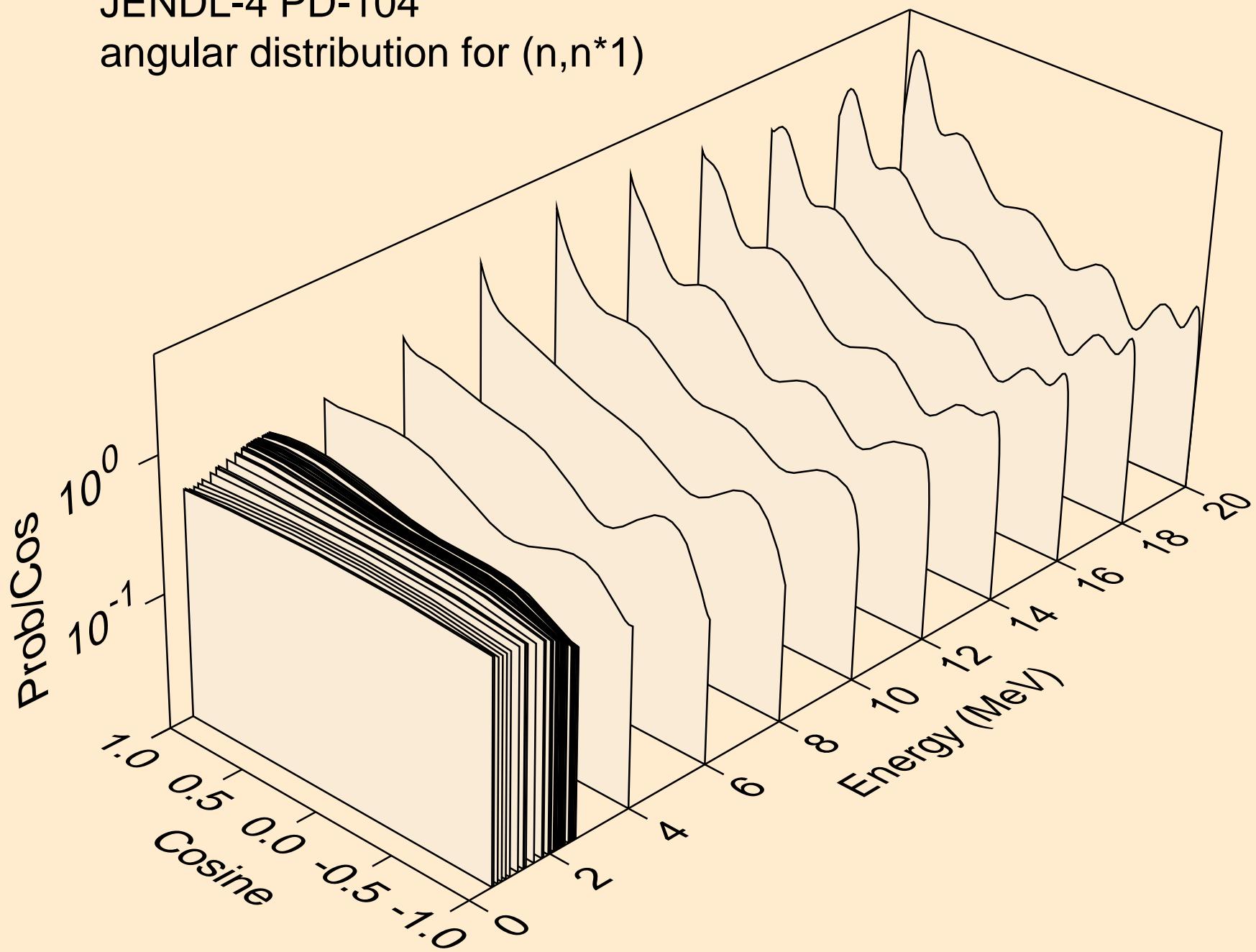
JENDL-4 PD-104  
Threshold reactions



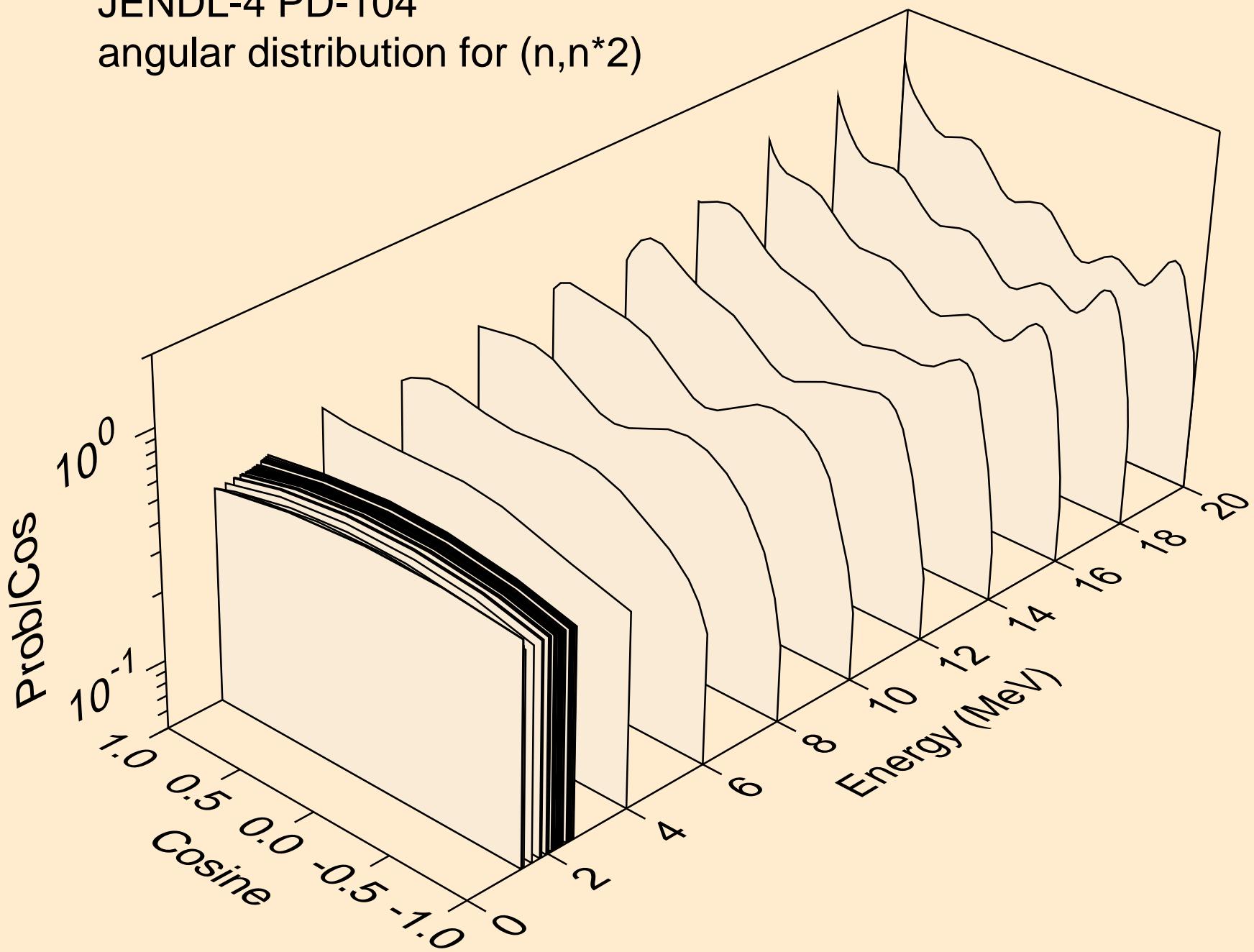
JENDL-4 PD-104  
angular distribution for elastic



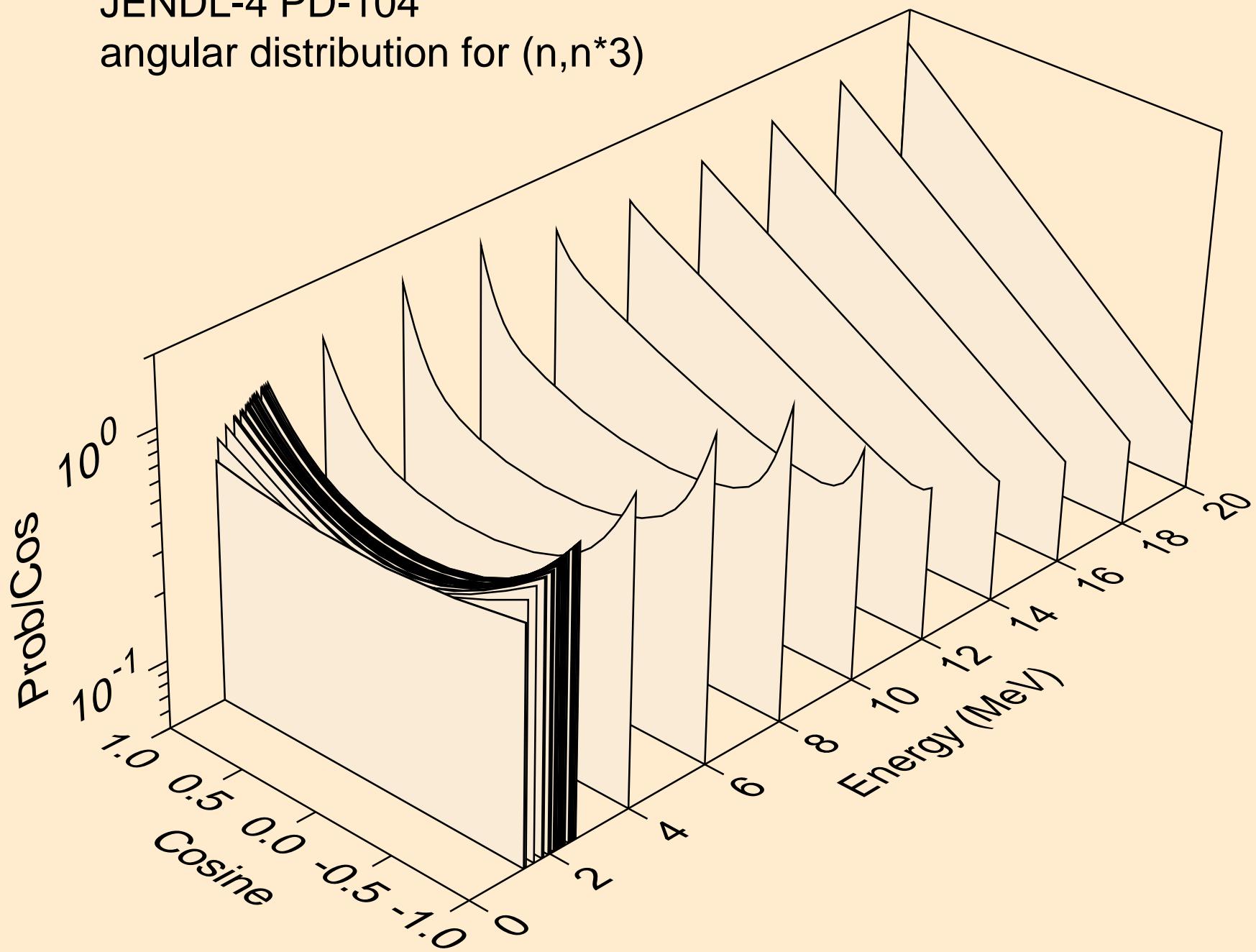
JENDL-4 PD-104  
angular distribution for  $(n,n^*)$



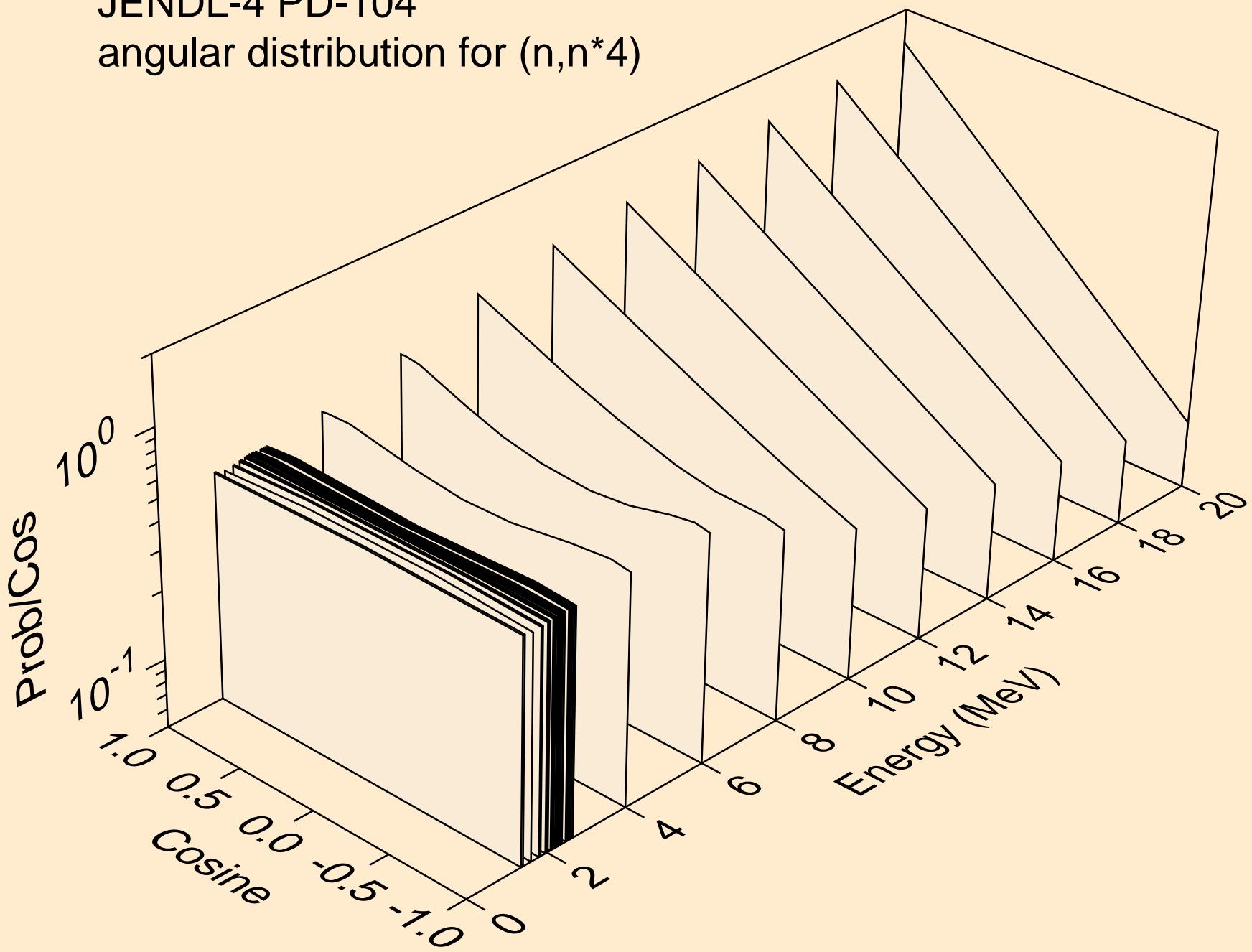
JENDL-4 PD-104  
angular distribution for  $(n,n^*)^2$



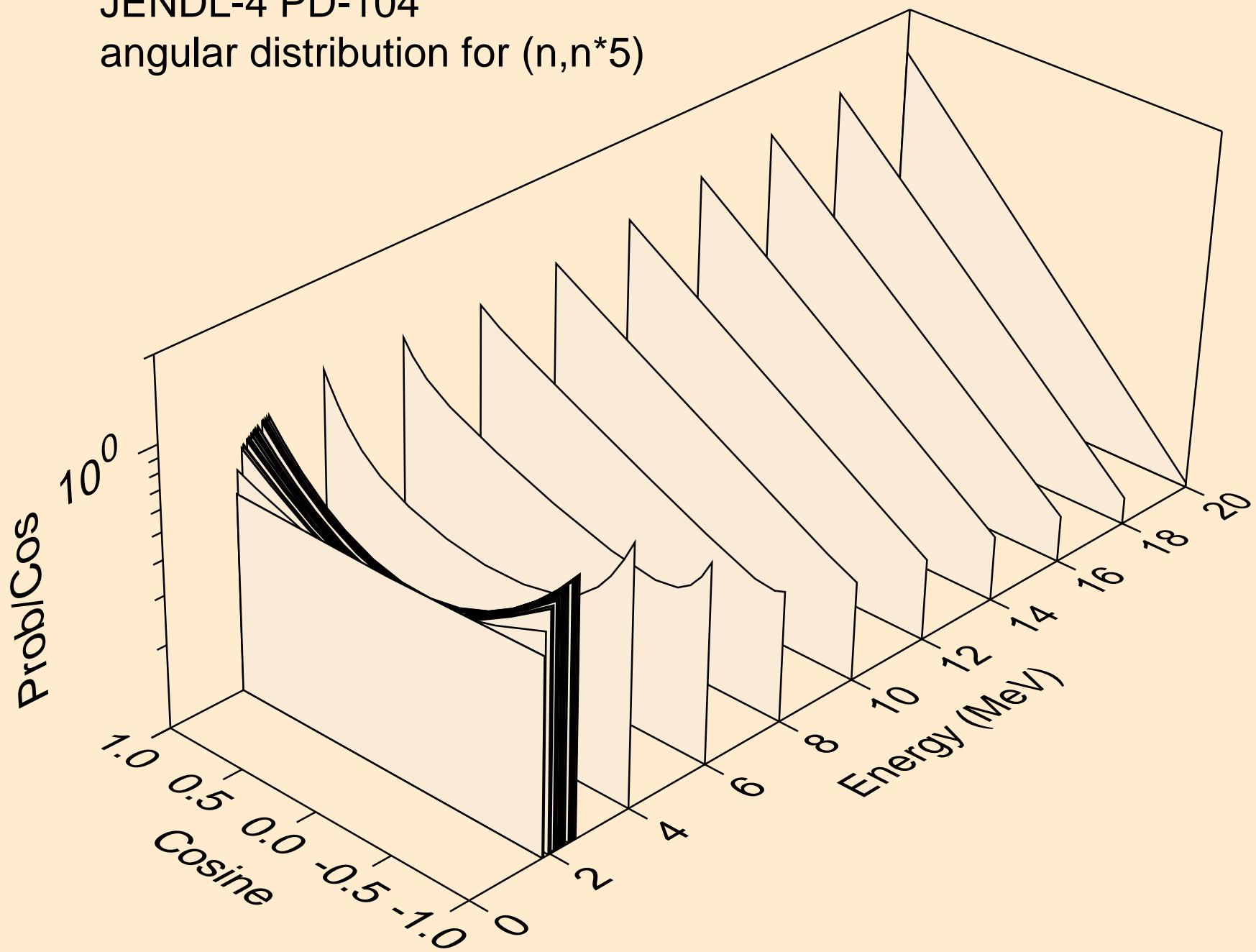
JENDL-4 PD-104  
angular distribution for  $(n,n^*3)$



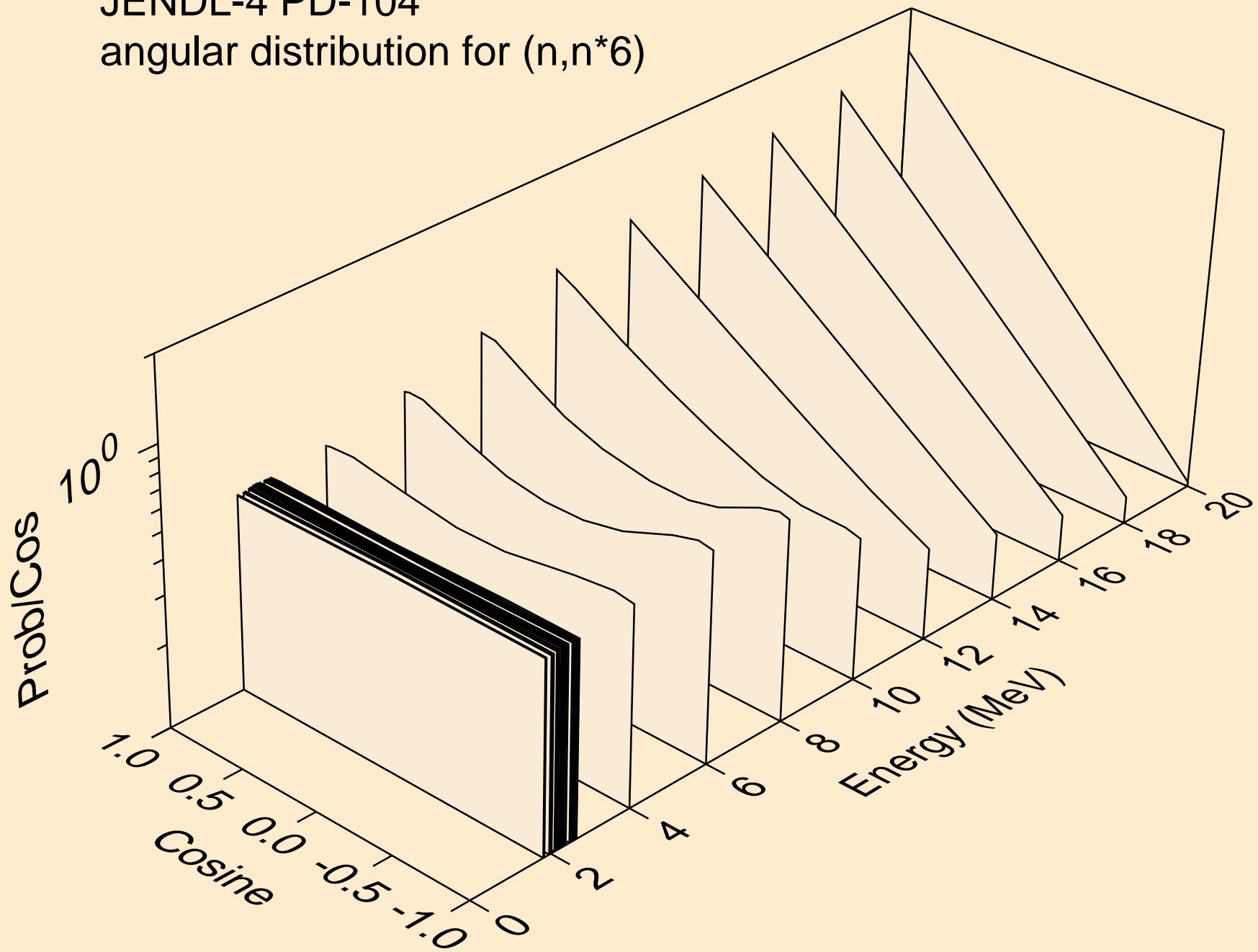
JENDL-4 PD-104  
angular distribution for  $(n,n^*4)$



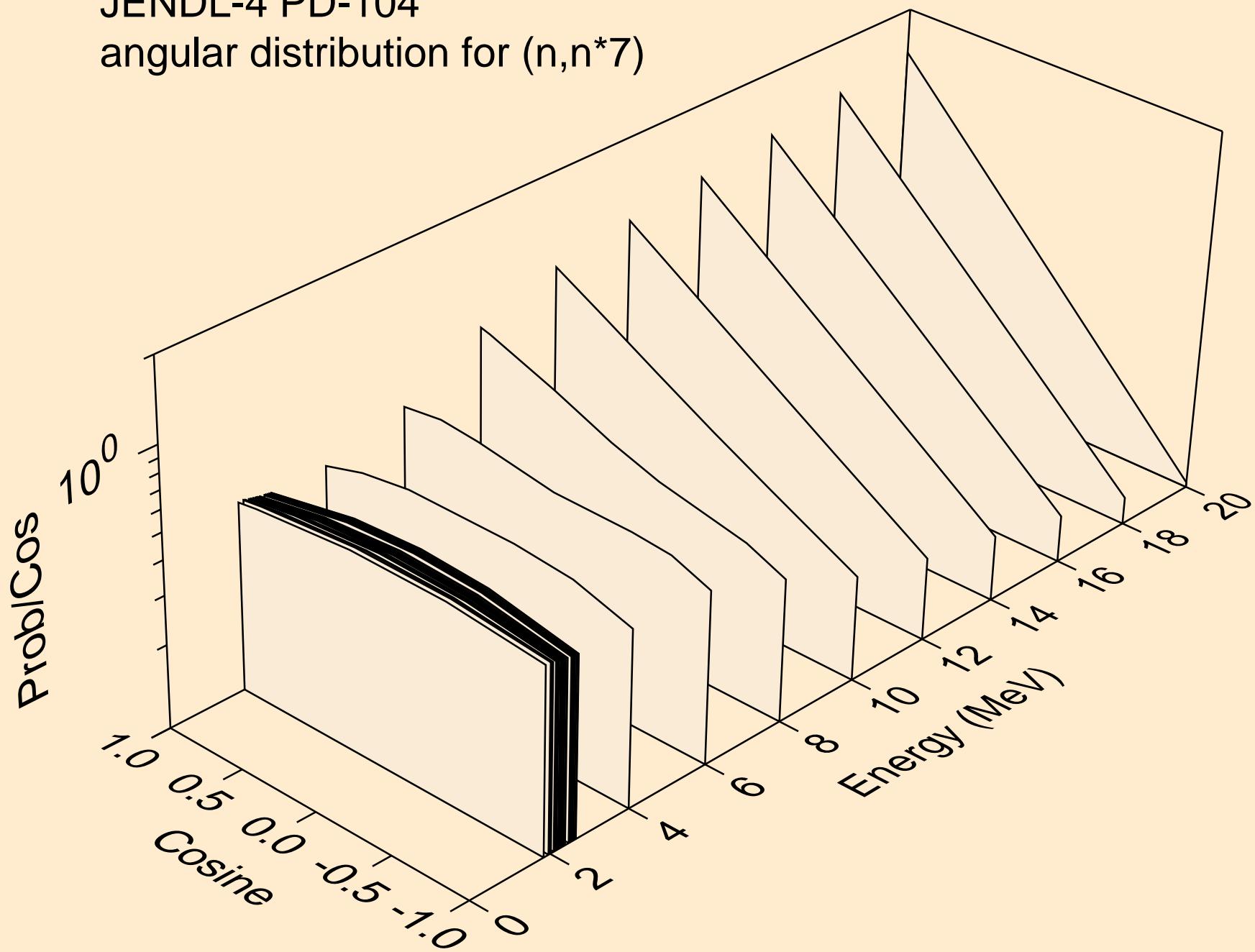
JENDL-4 PD-104  
angular distribution for  $(n,n^*)5$



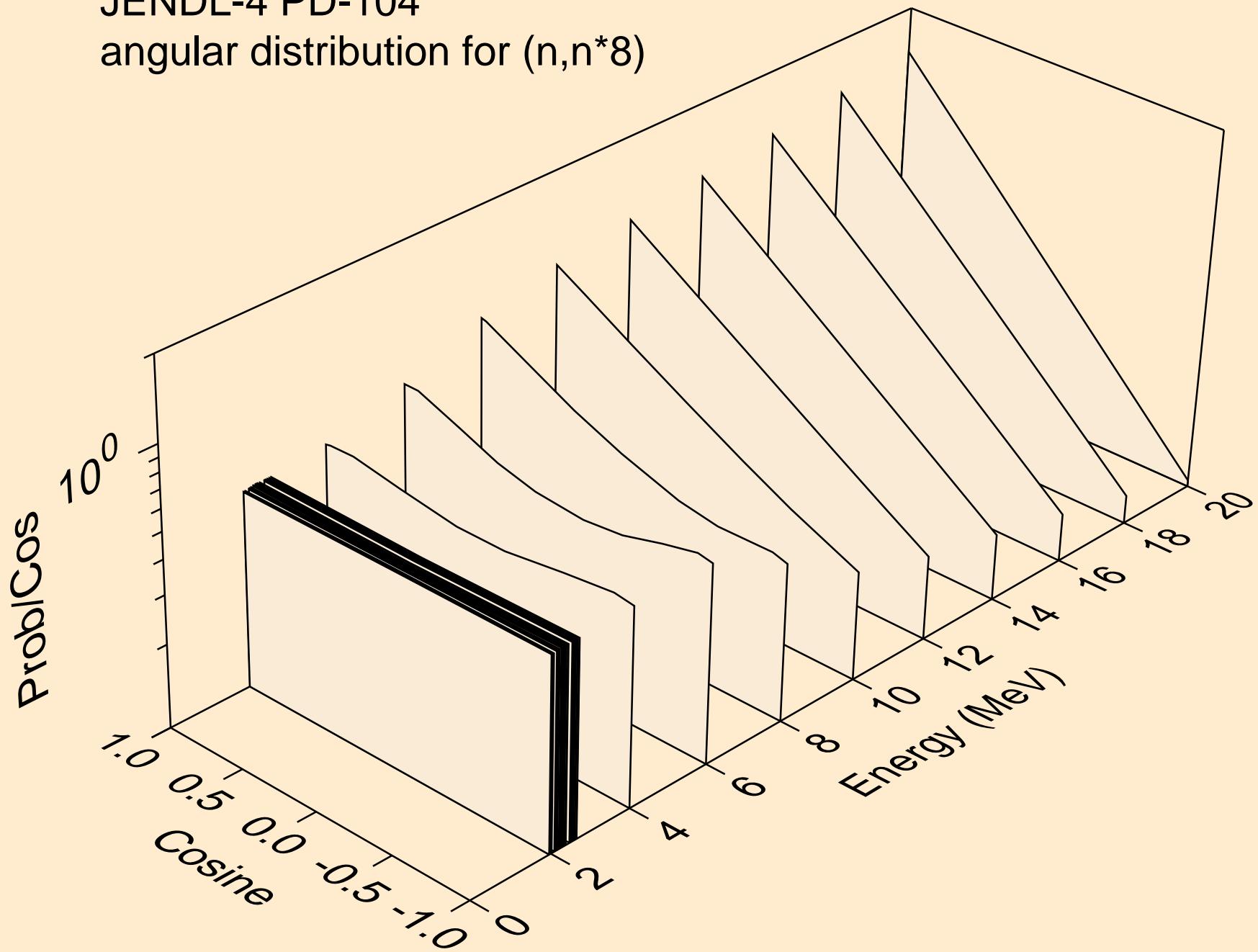
JENDL-4 PD-104  
angular distribution for  $(n,n^*6)$



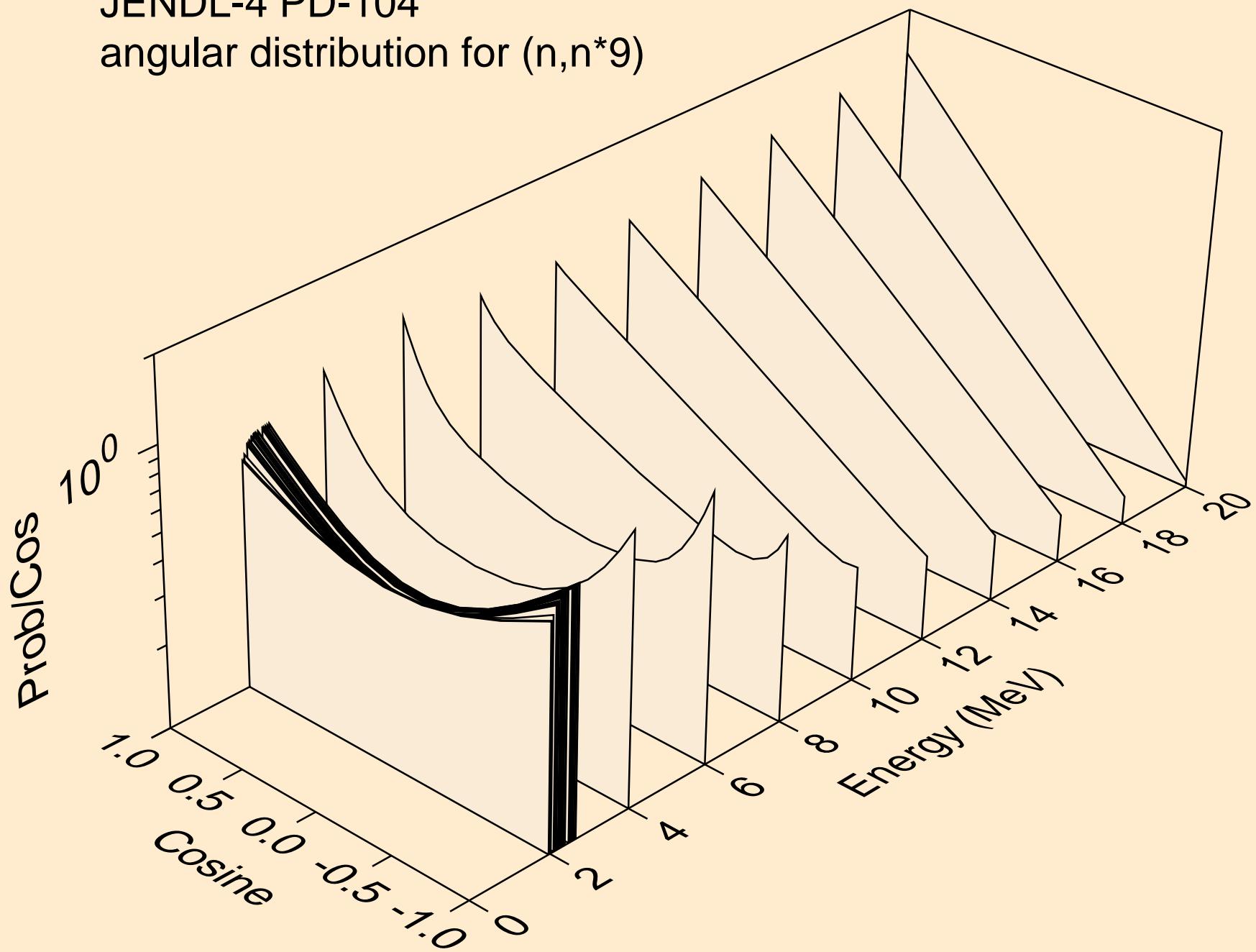
JENDL-4 PD-104  
angular distribution for  $(n,n^*7)$



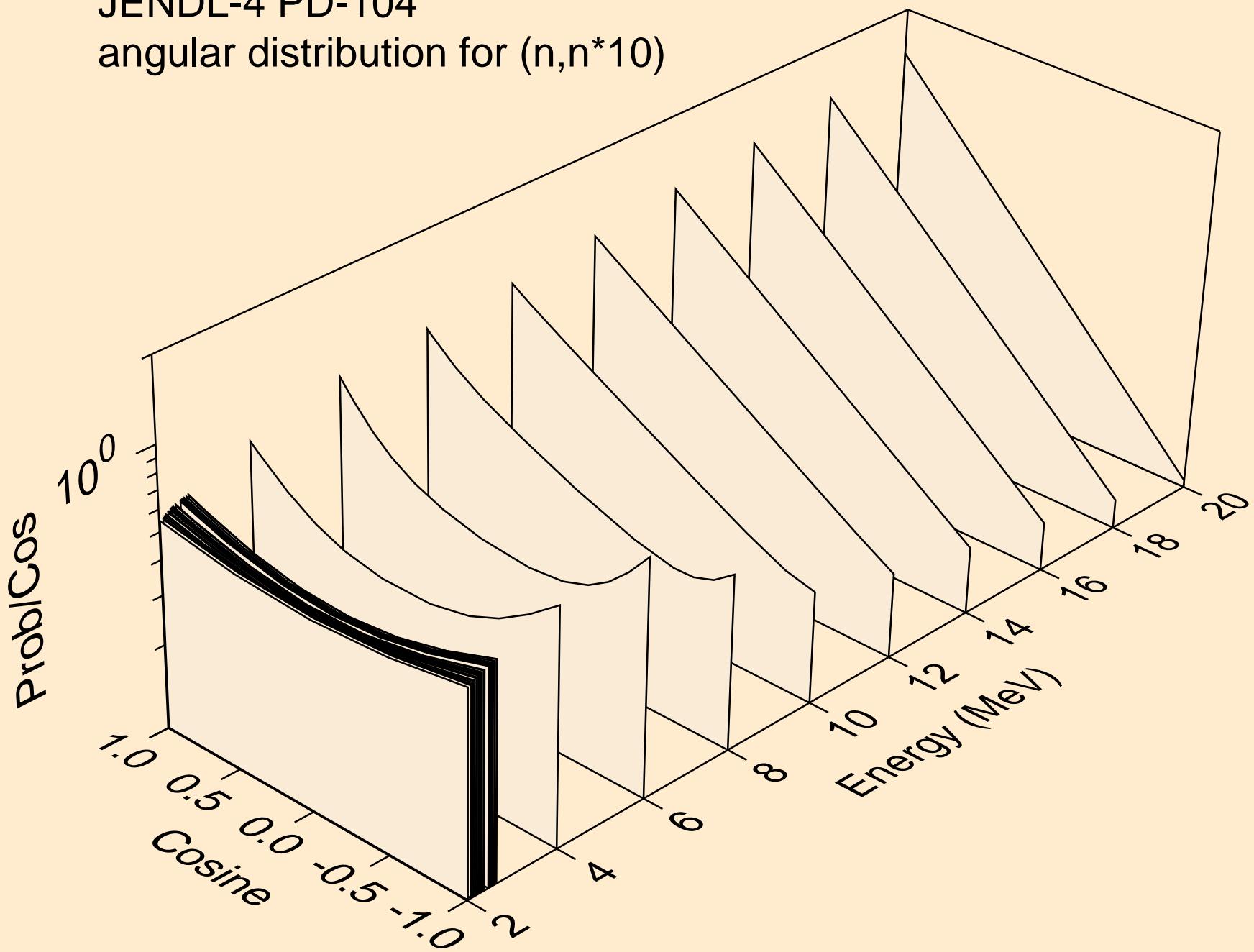
JENDL-4 PD-104  
angular distribution for  $(n,n^*8)$



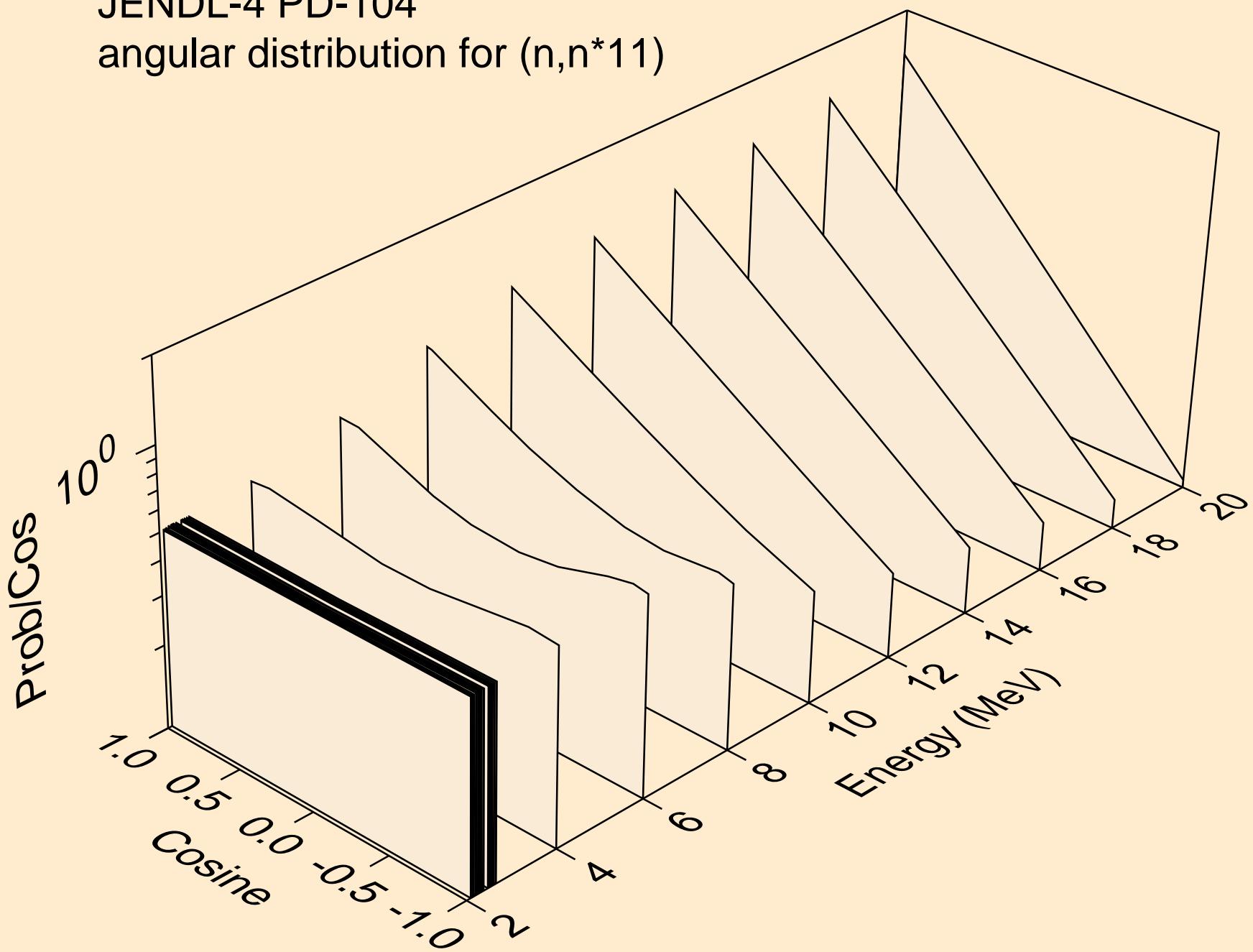
JENDL-4 PD-104  
angular distribution for  $(n,n^*9)$



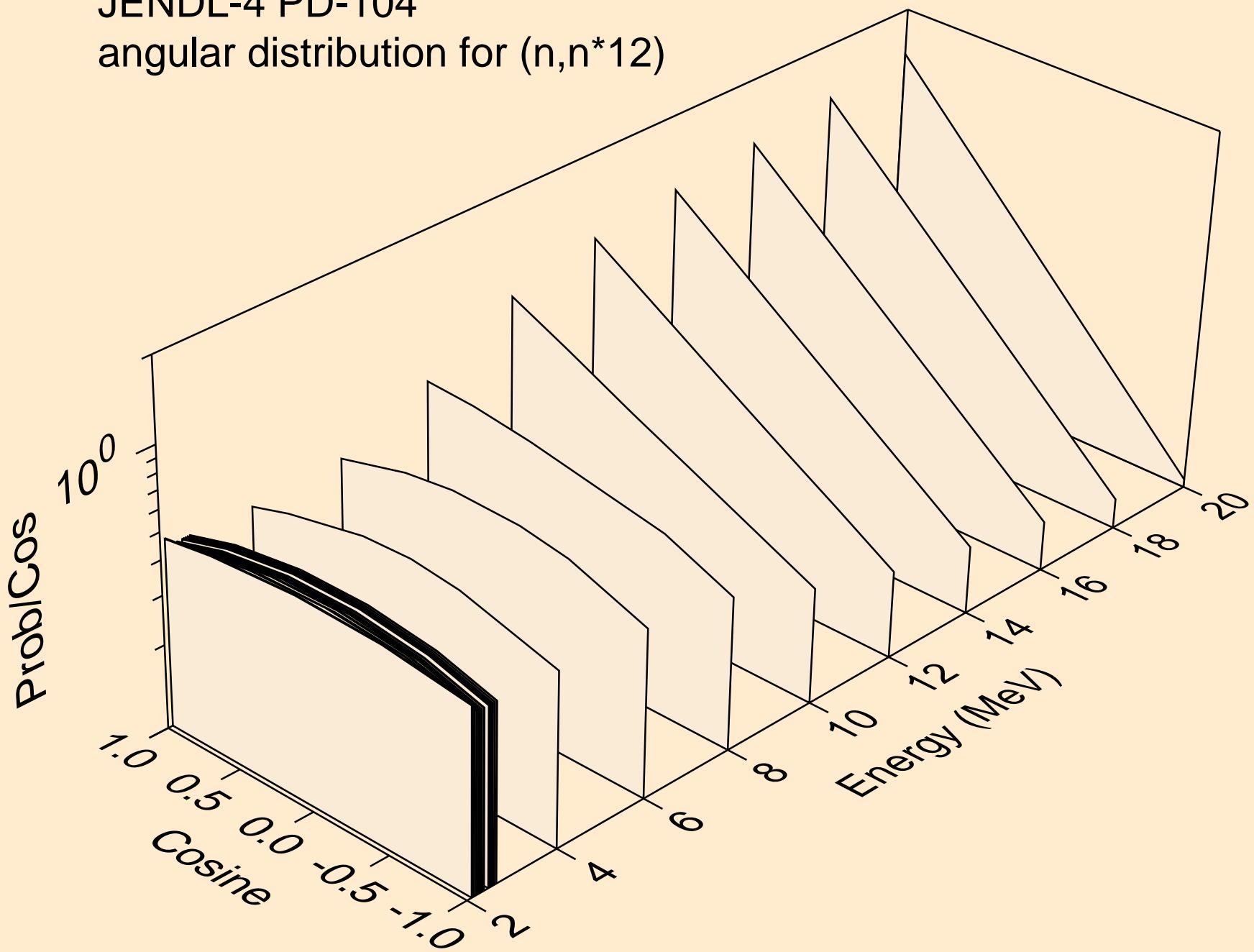
JENDL-4 PD-104  
angular distribution for (n,n\*10)



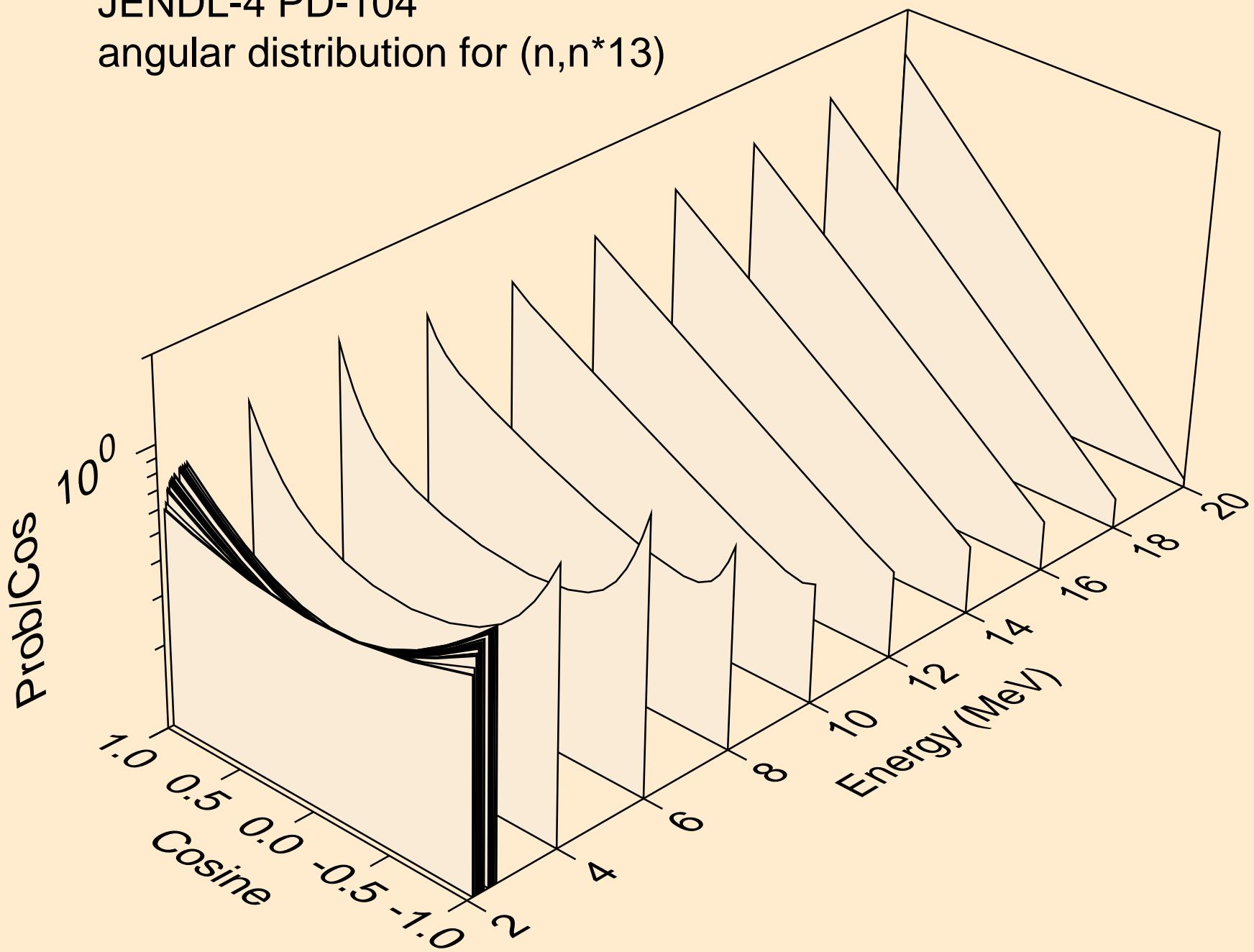
JENDL-4 PD-104  
angular distribution for  $(n,n^*11)$



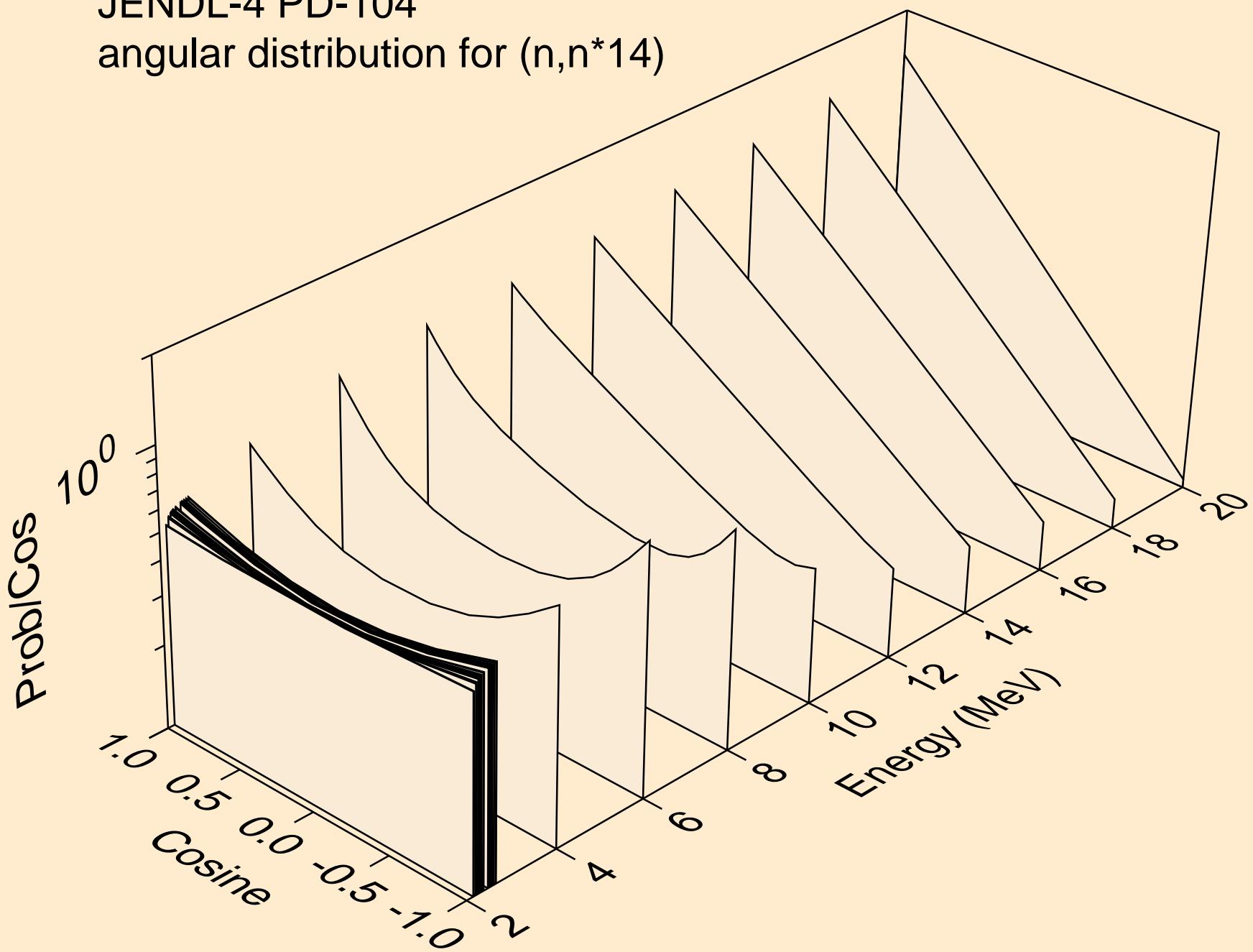
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angular distribution for (n,n\*12)



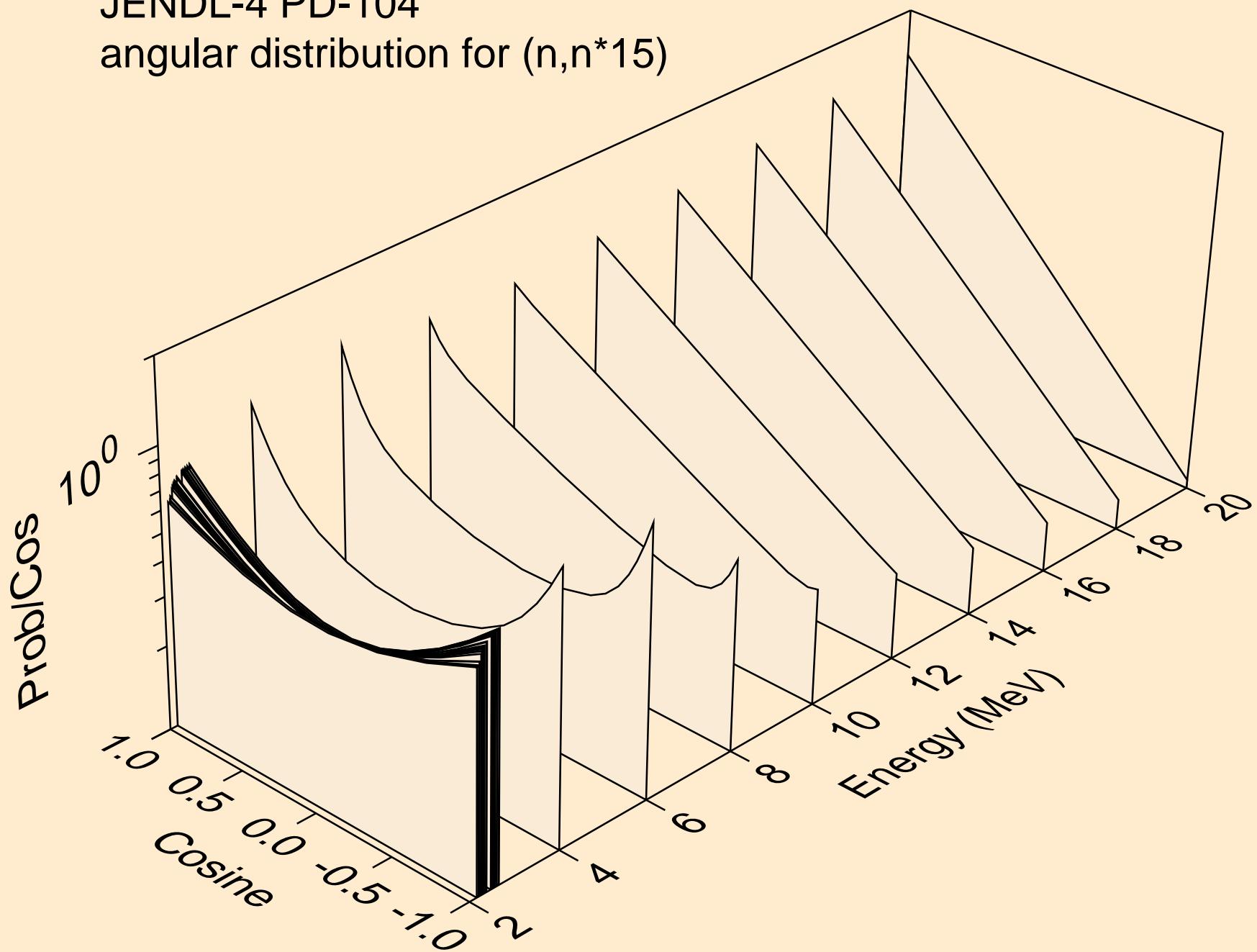
JENDL-4 PD-104  
angular distribution for (n,n\*13)



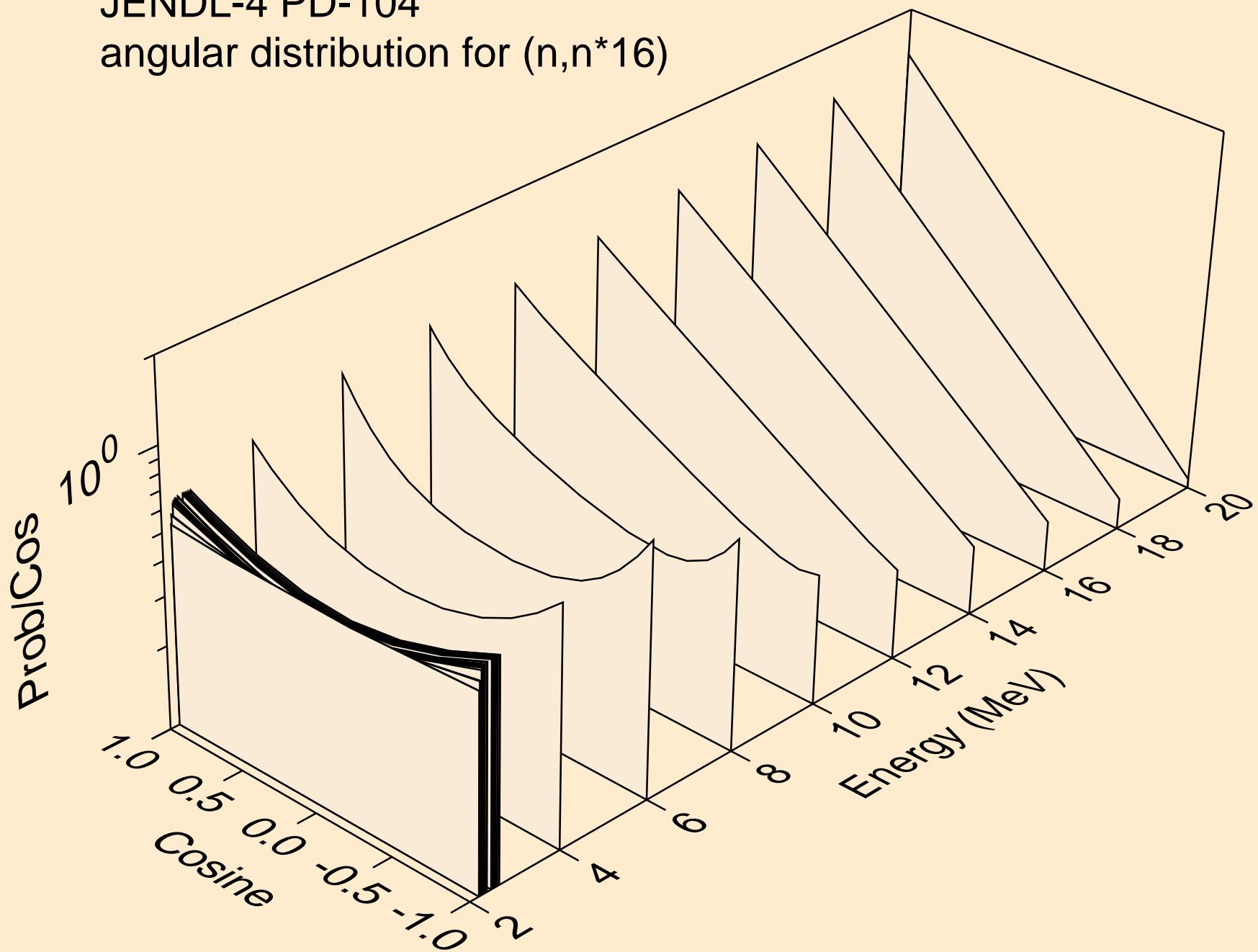
JENDL-4 PD-104  
angular distribution for ( $n,n^*14$ )



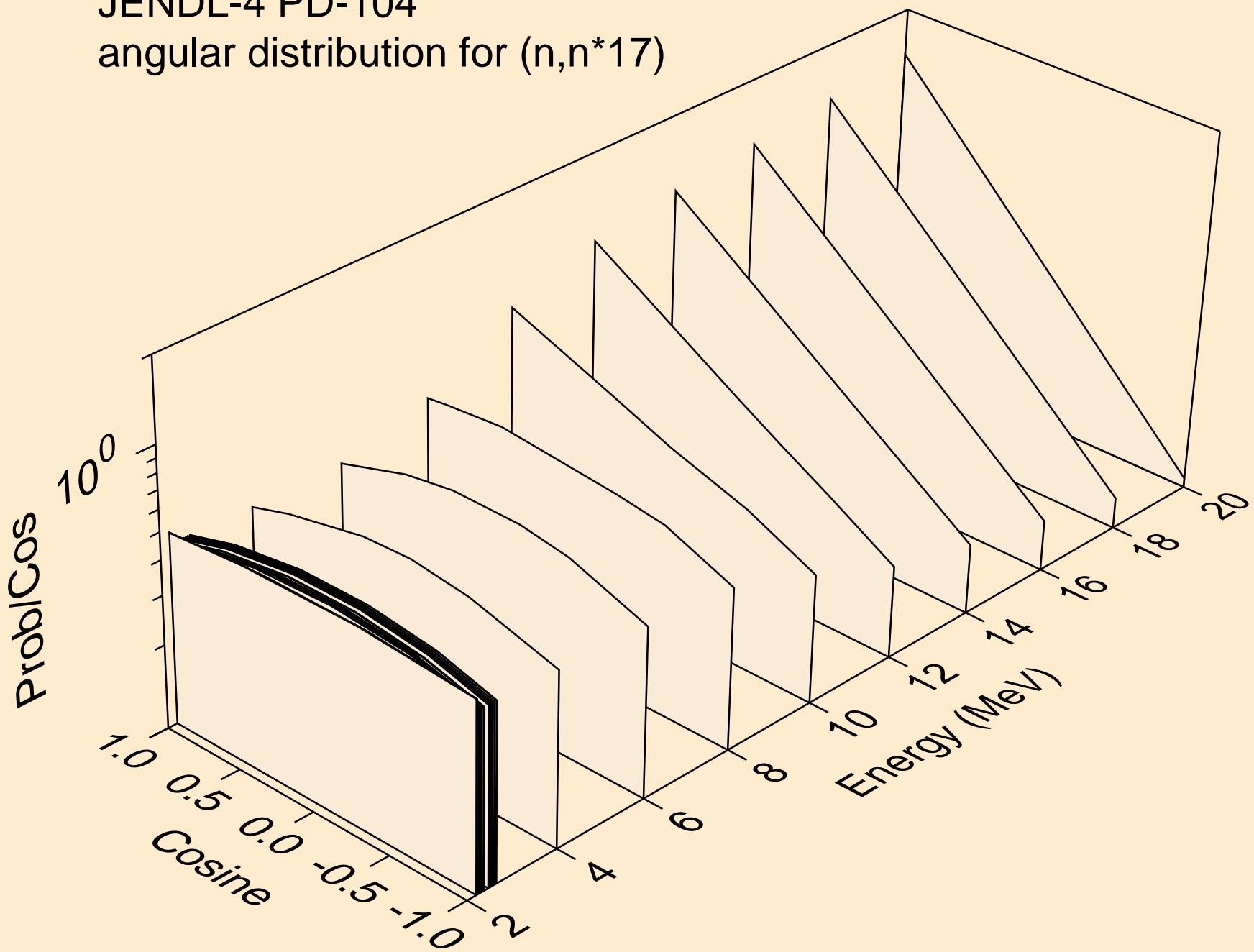
JENDL-4 PD-104  
angular distribution for  $(n,n^*15)$



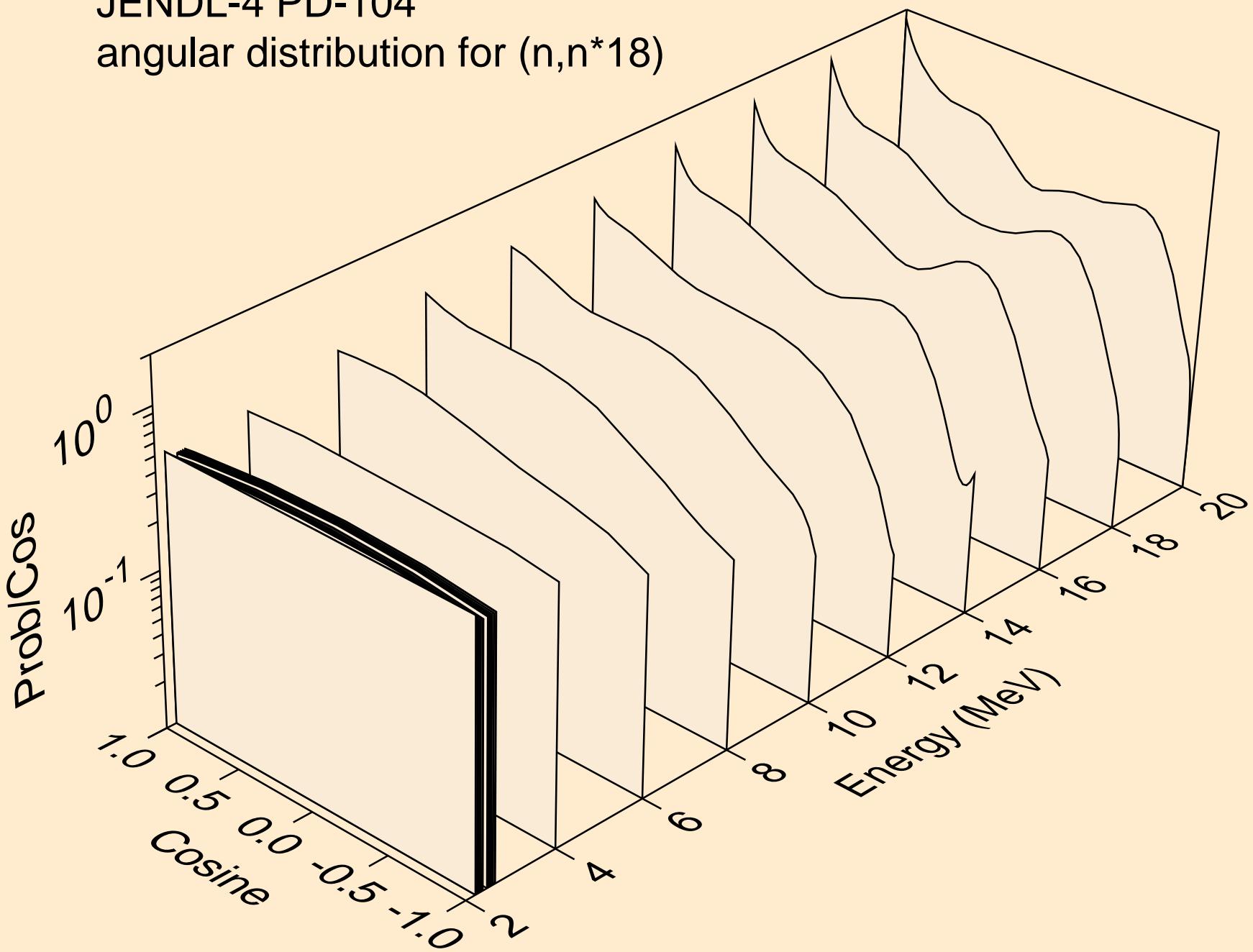
JENDL-4 PD-104  
angular distribution for  $(n,n^*16)$



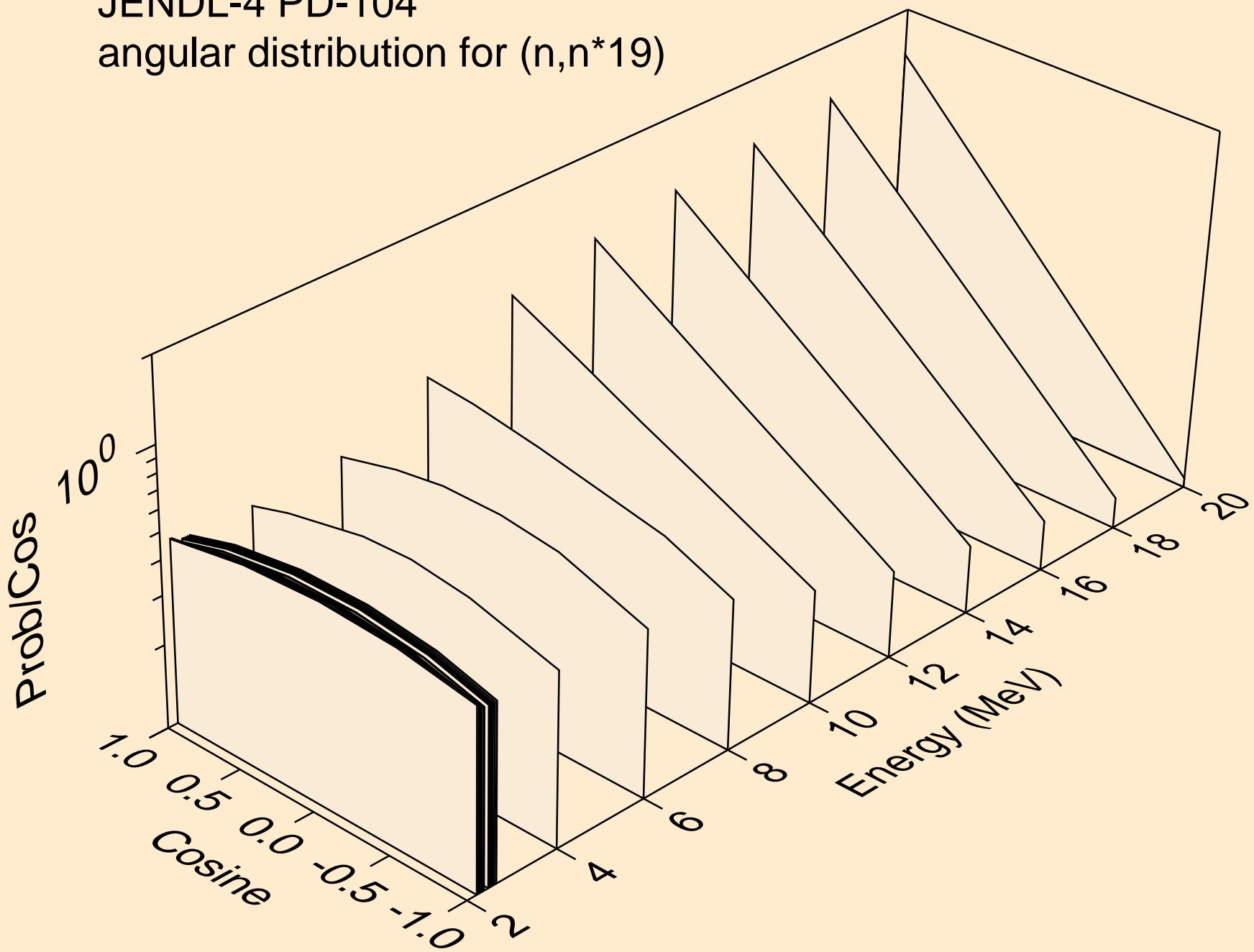
JENDL-4 PD-104  
angular distribution for  $(n,n^*17)$



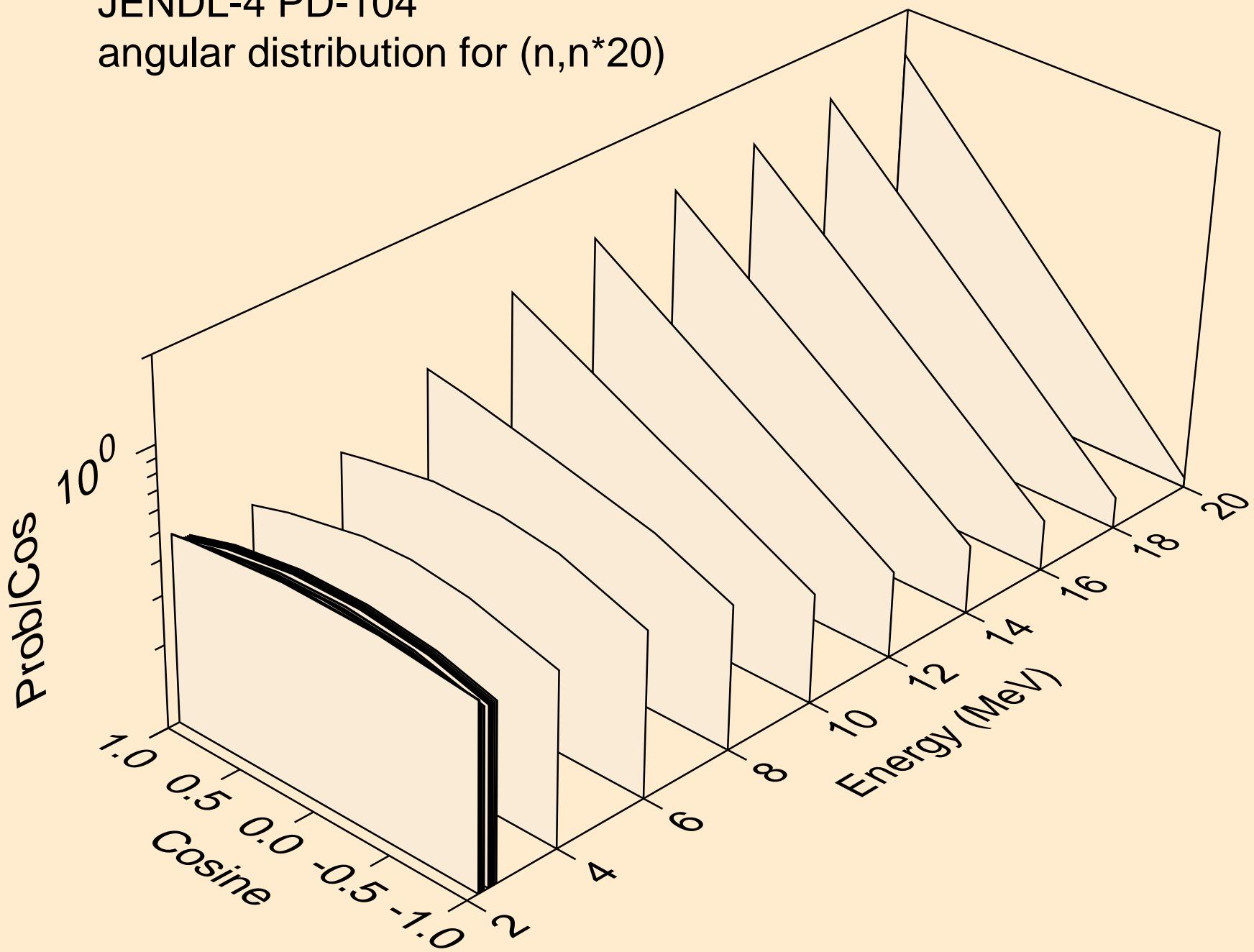
JENDL-4 PD-104  
angular distribution for  $(n,n^*18)$



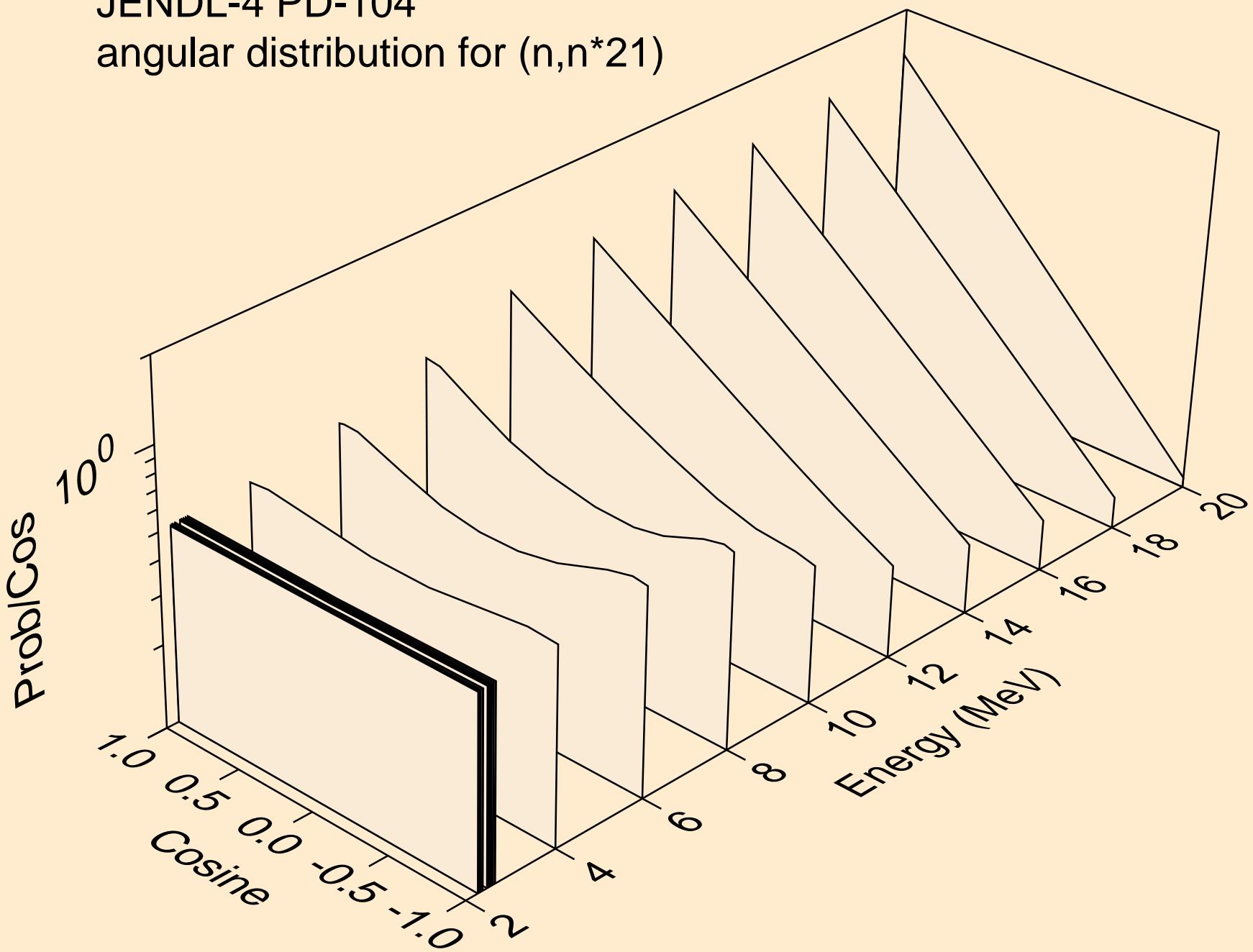
JENDL-4 PD-104  
angular distribution for  $(n,n^*19)$



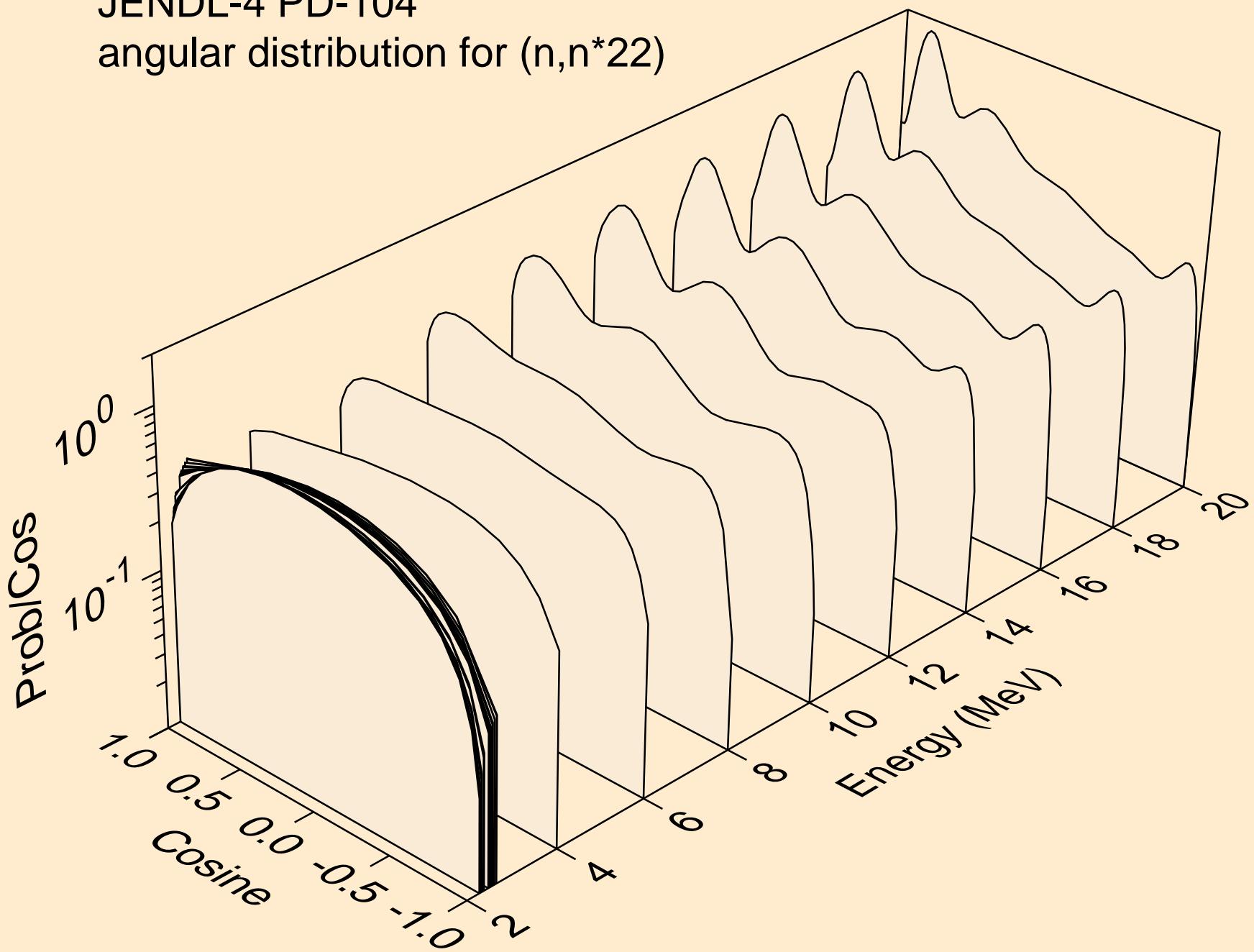
JENDL-4 PD-104  
angular distribution for  $(n,n^*20)$



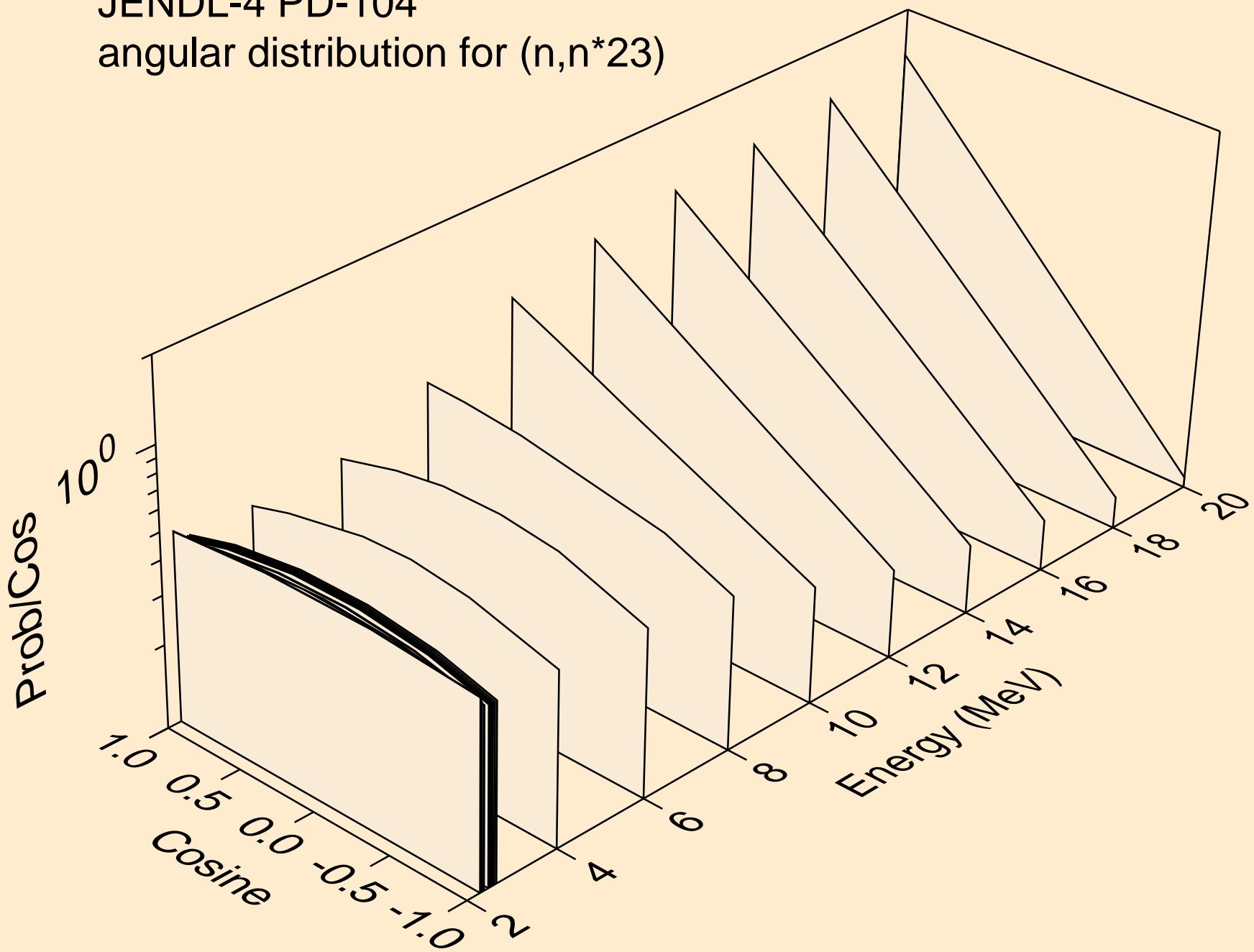
JENDL-4 PD-104  
angular distribution for ( $n, n^* 21$ )



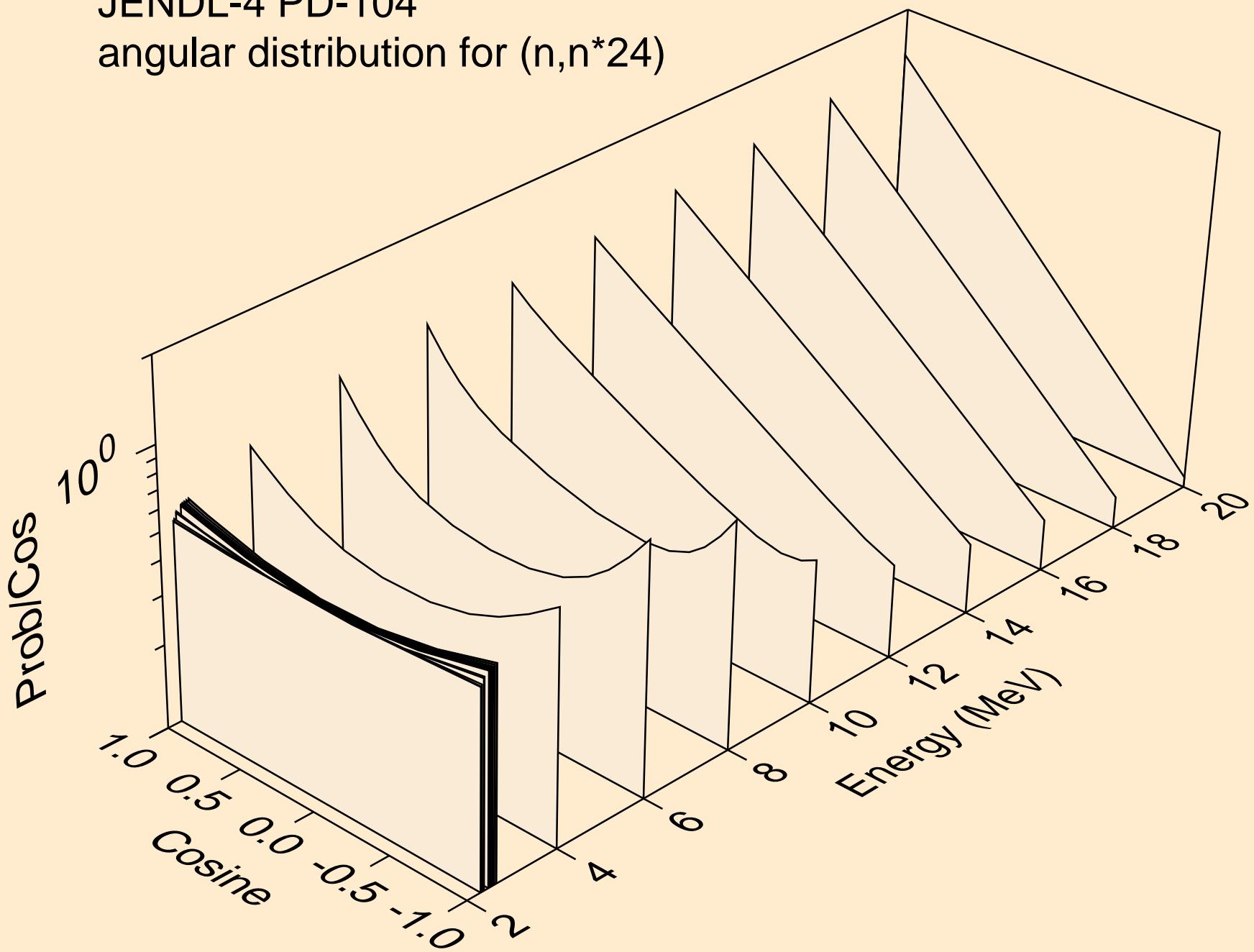
JENDL-4 PD-104  
angular distribution for  $(n,n^*22)$



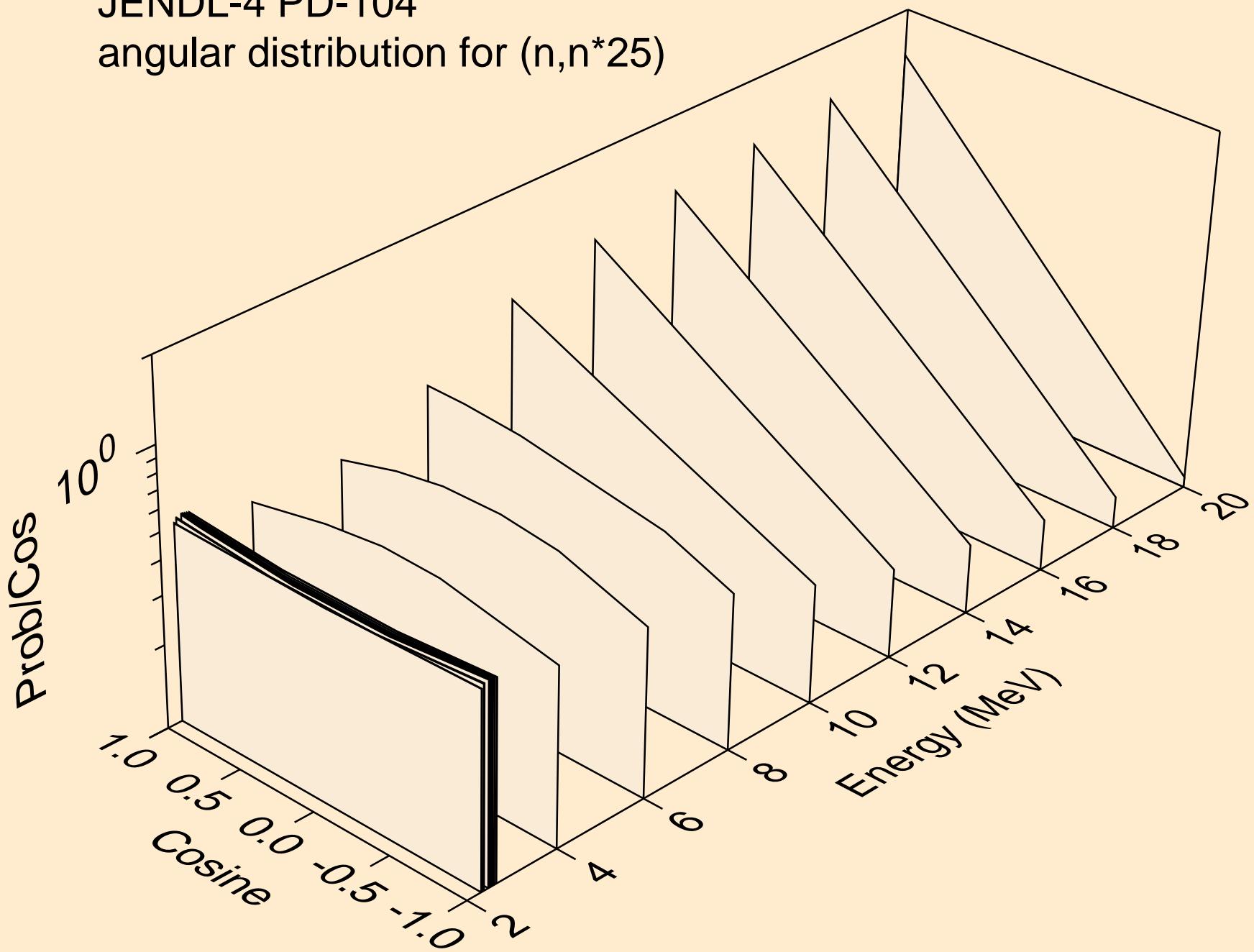
JENDL-4 PD-104  
angular distribution for  $(n,n^*23)$



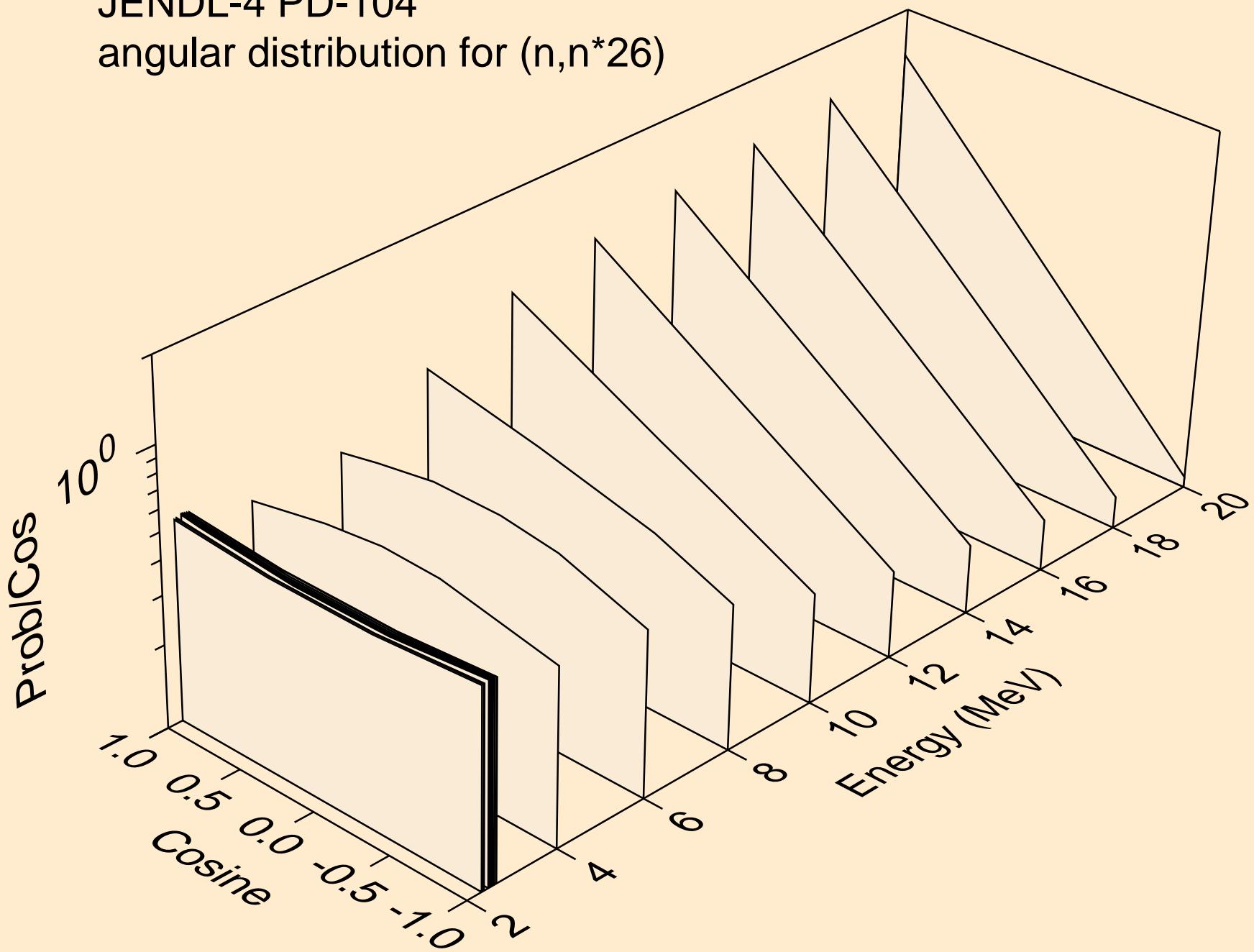
JENDL-4 PD-104  
angular distribution for ( $n, n^*$ )24



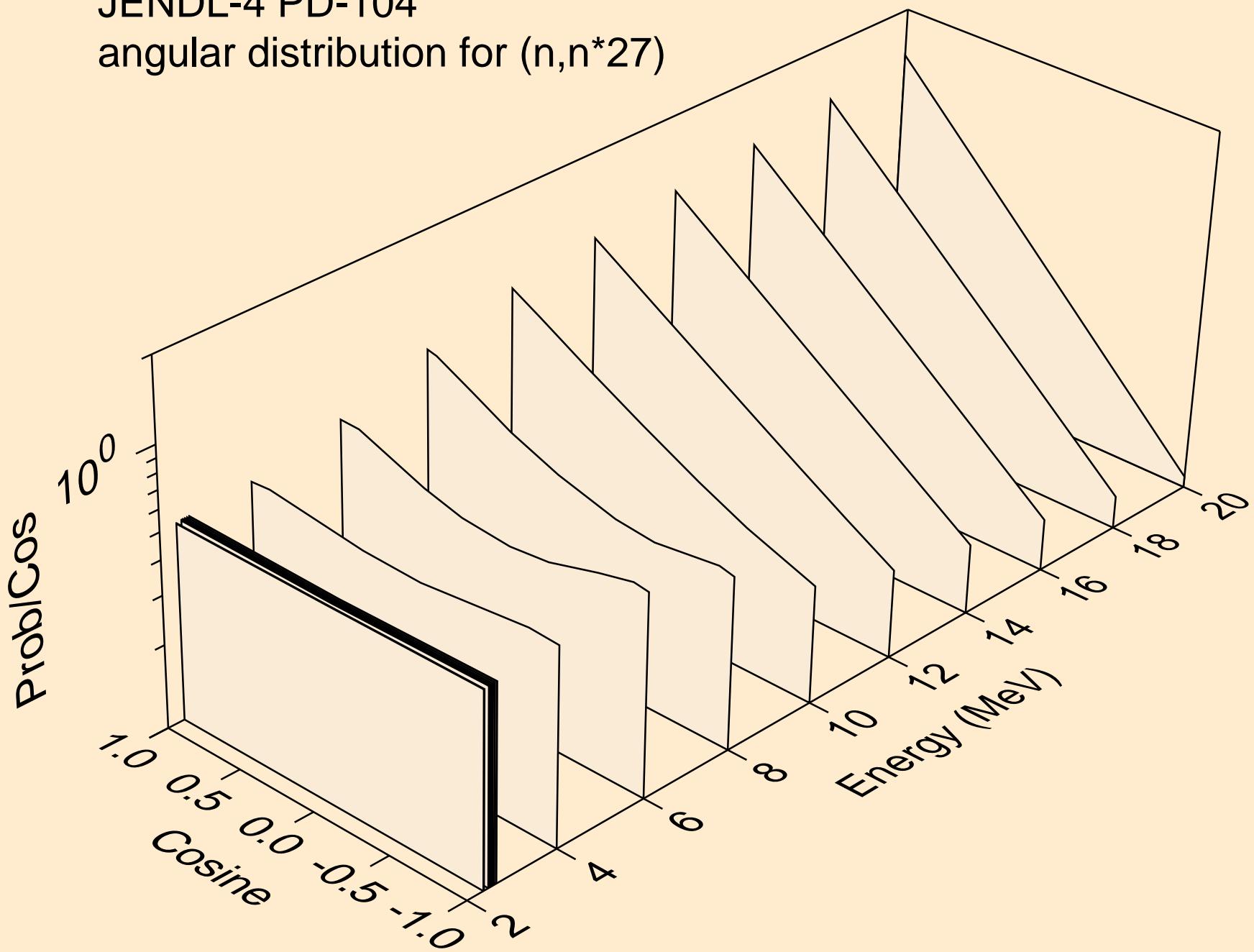
JENDL-4 PD-104  
angular distribution for (n,n\*25)



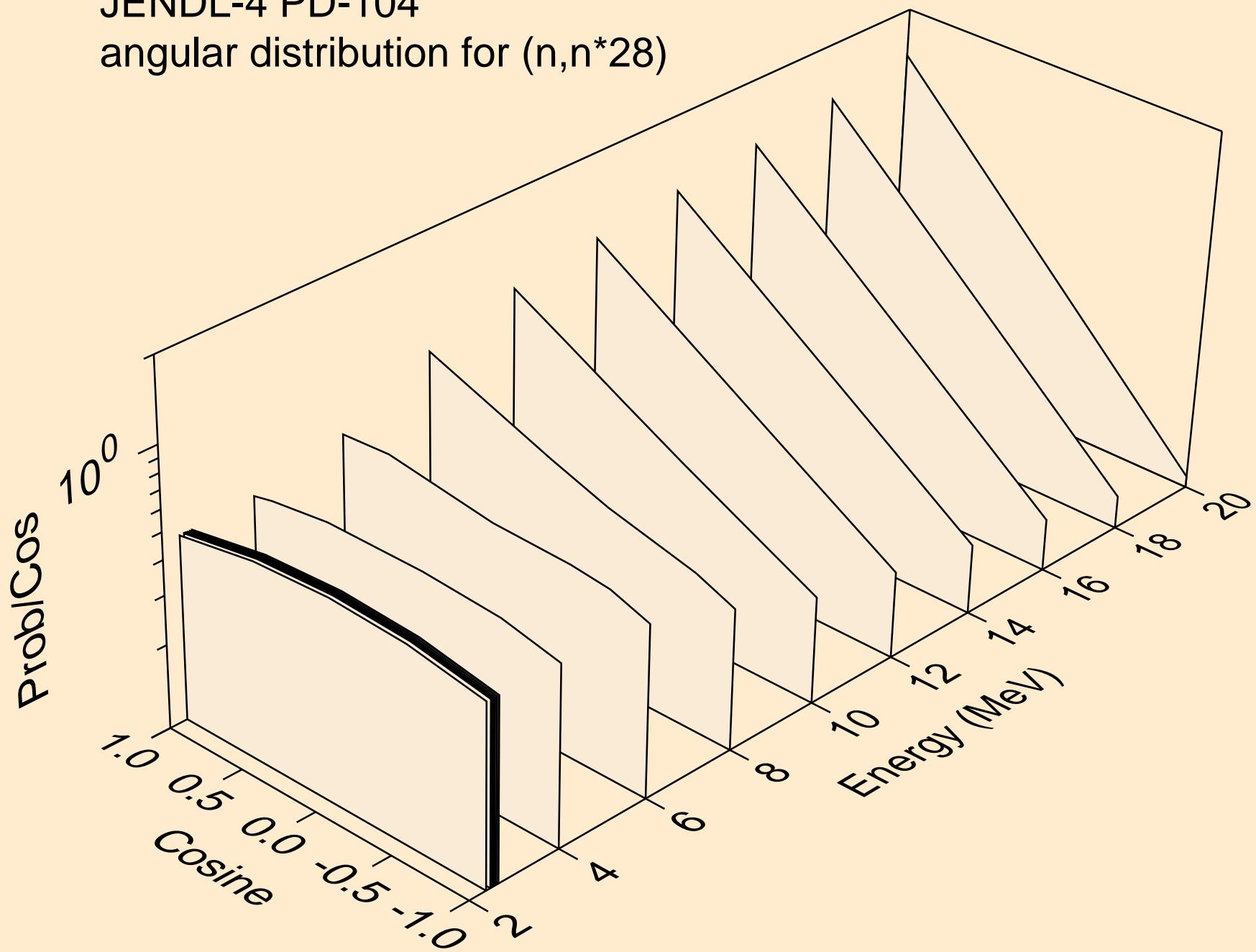
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angular distribution for  $(n,n^*26)$



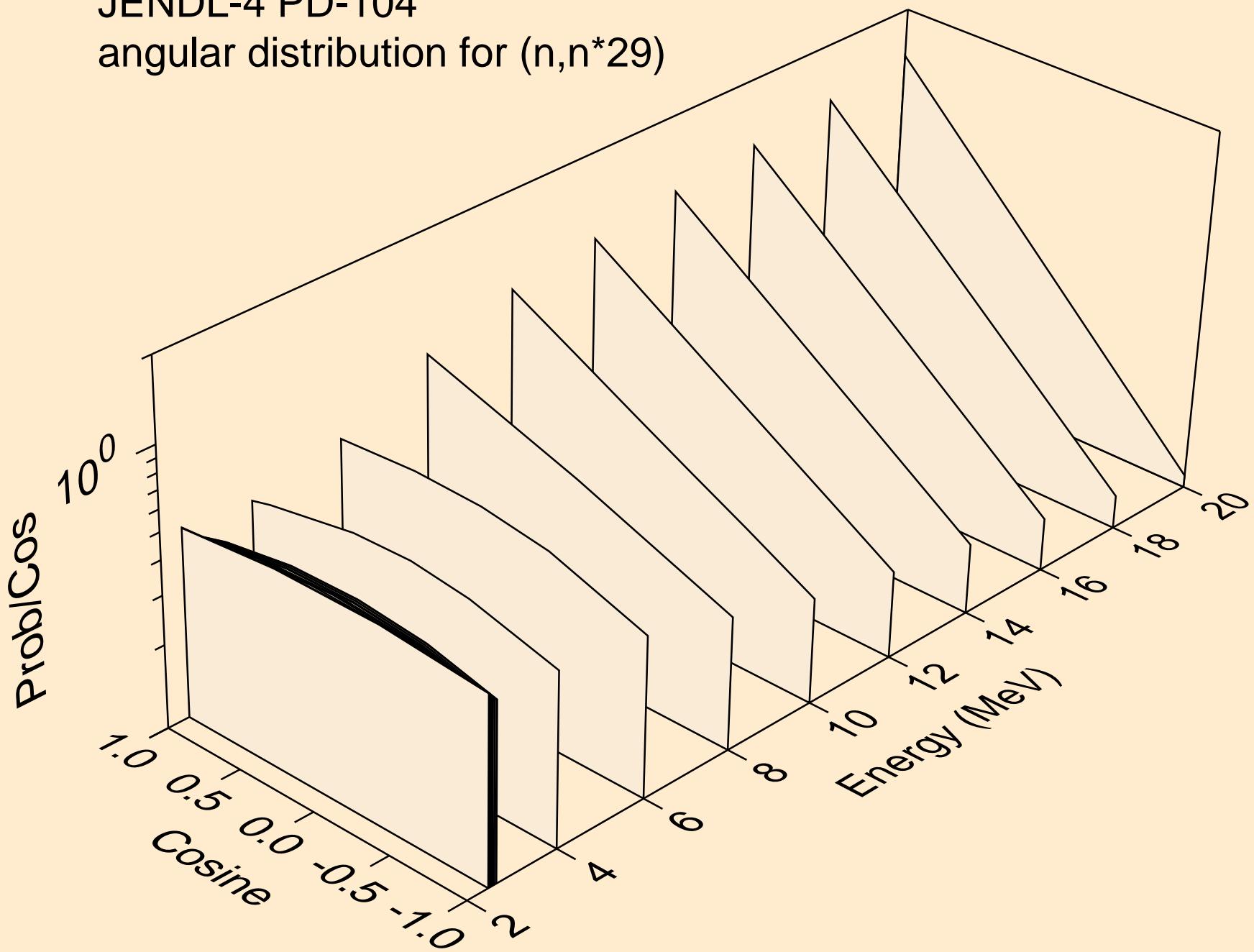
JENDL-4 PD-104  
angular distribution for  $(n,n^*27)$



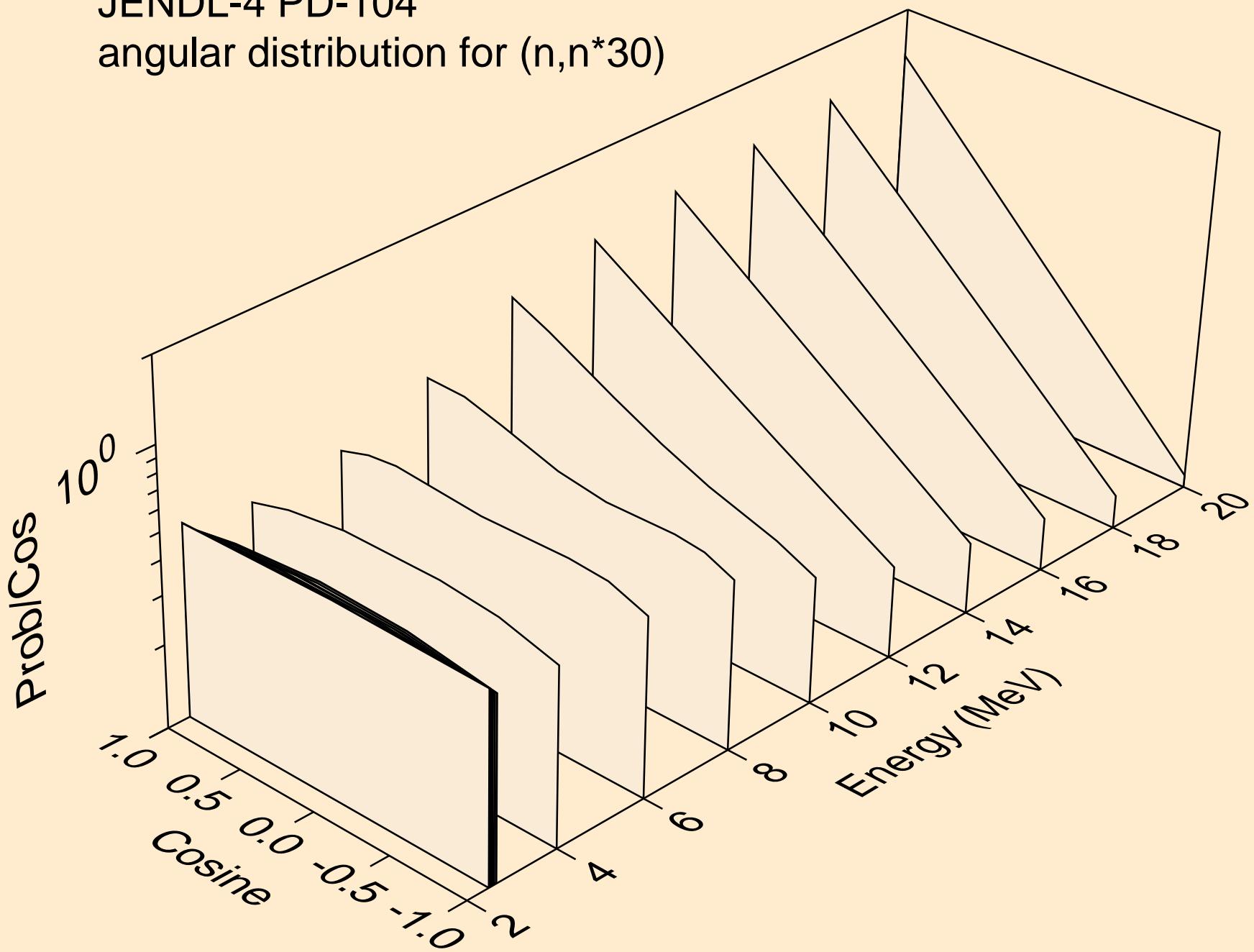
JENDL-4 PD-104  
angular distribution for  $(n,n^*28)$



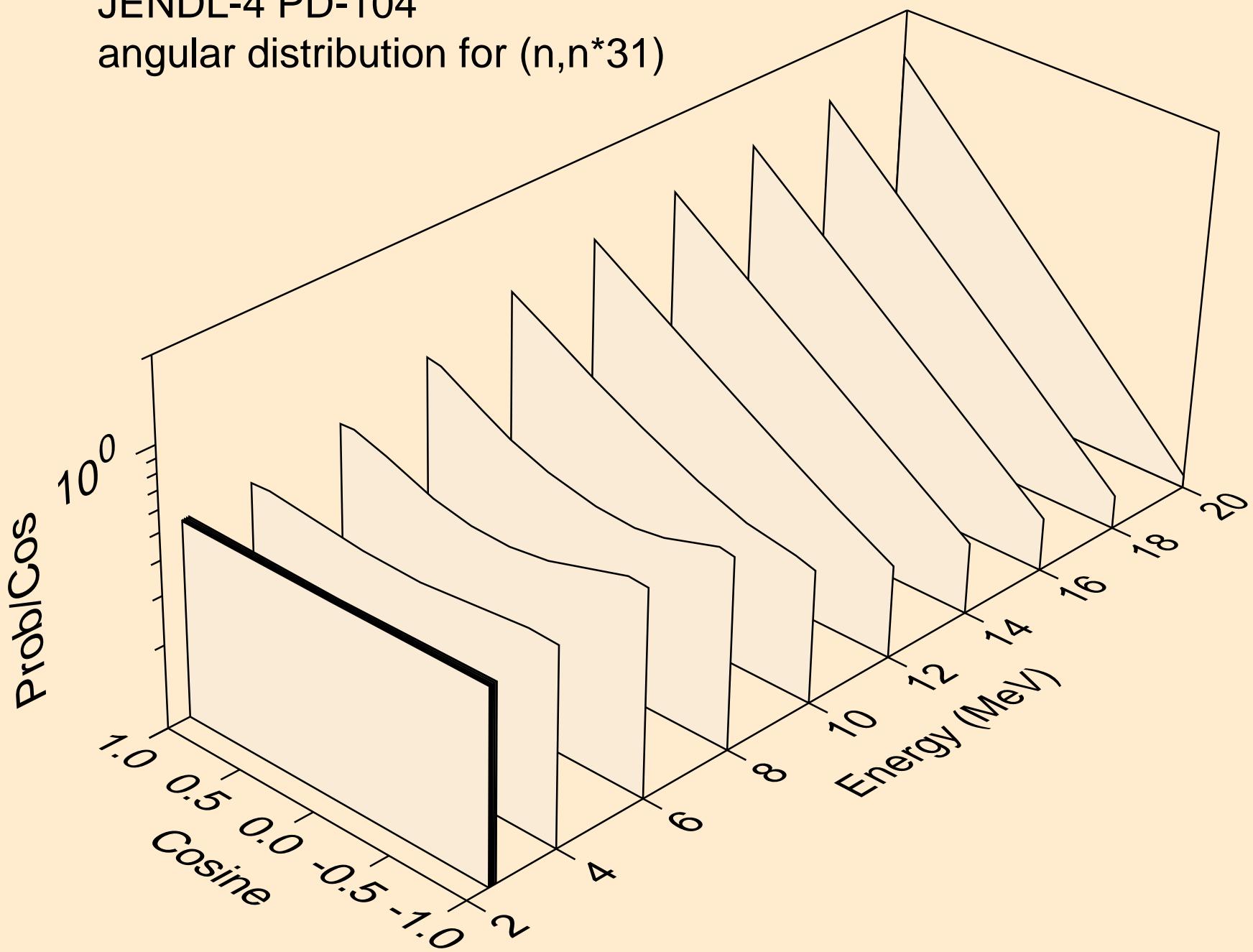
JENDL-4 PD-104  
angular distribution for  $(n,n^*29)$



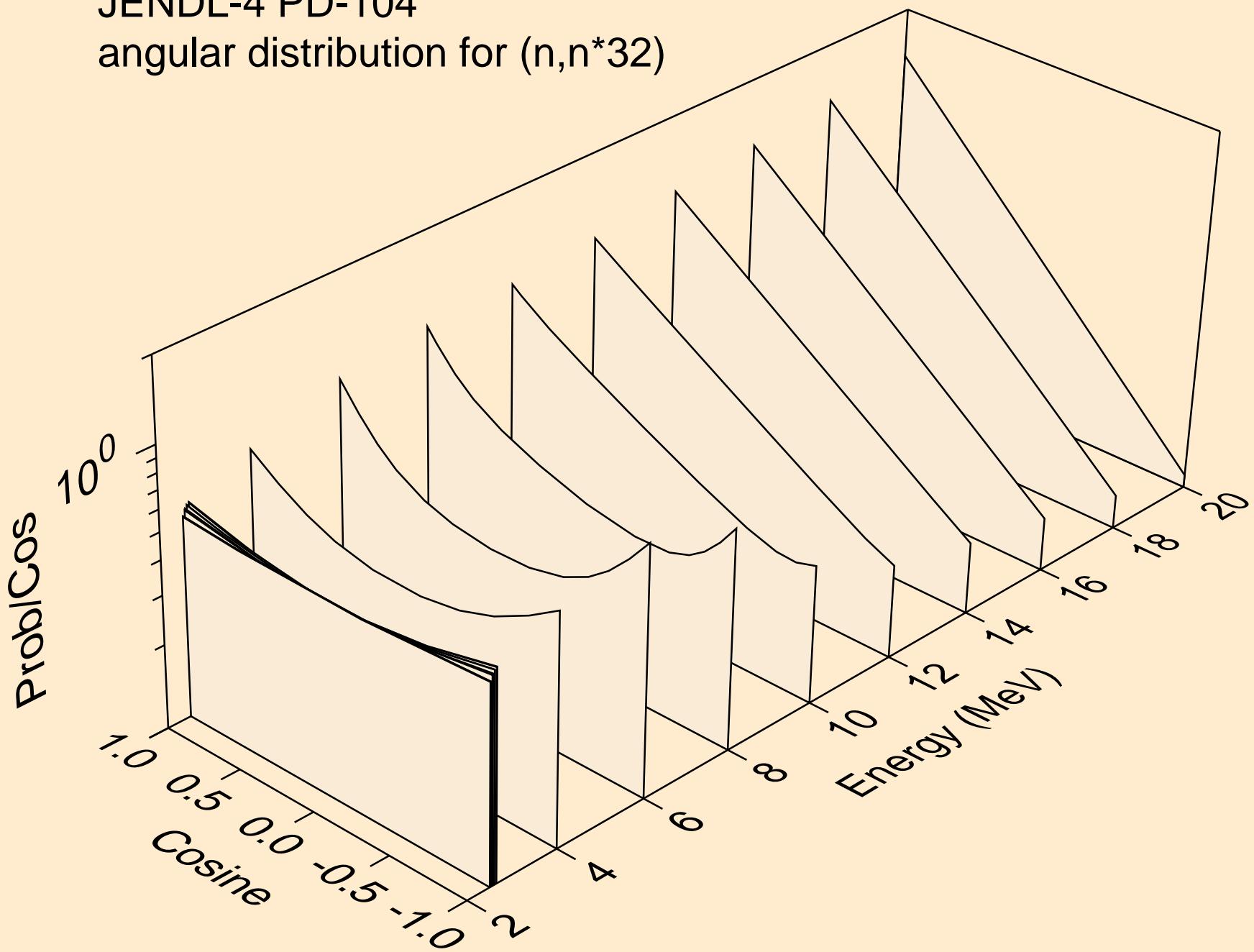
JENDL-4 PD-104  
angular distribution for  $(n,n^*)30$



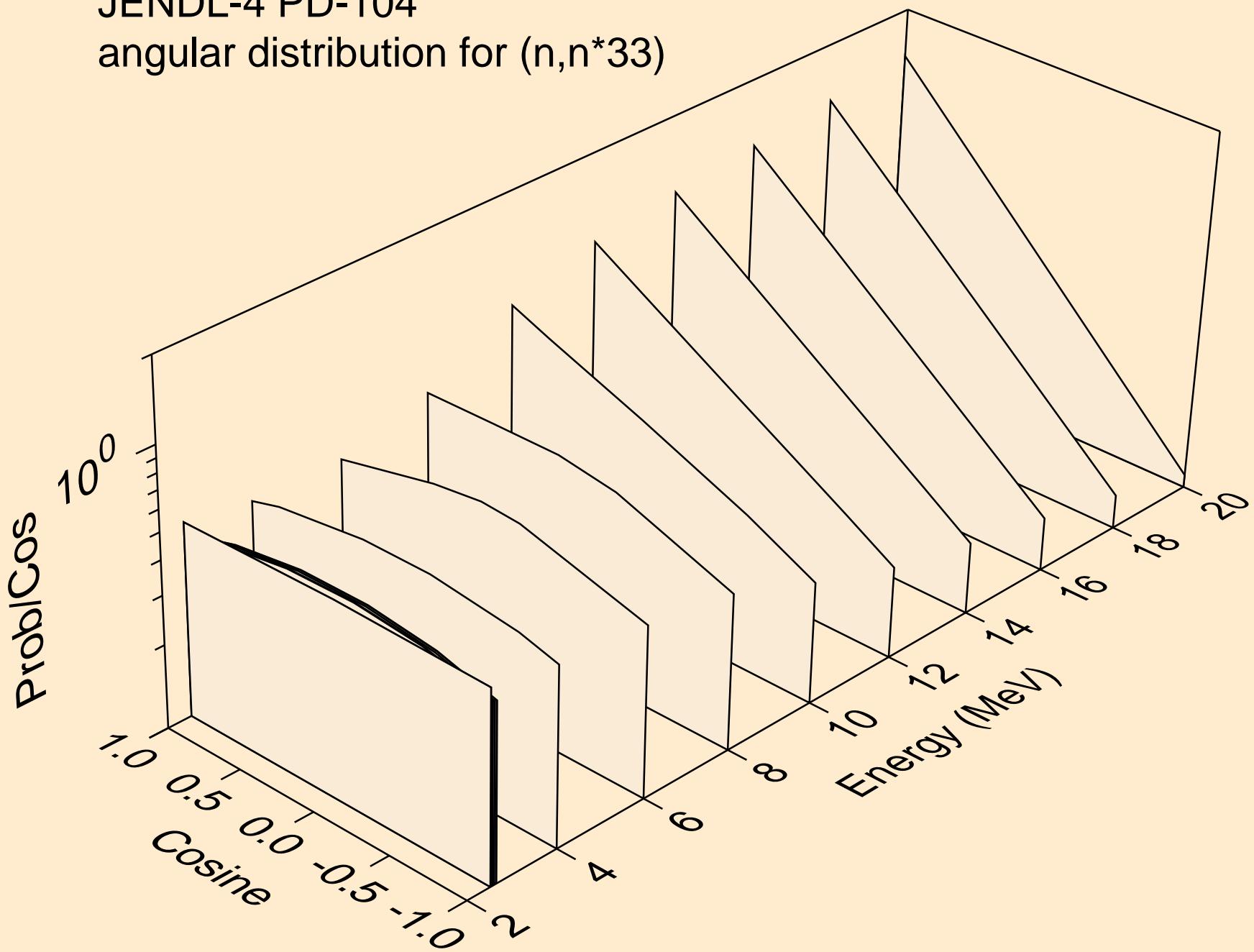
JENDL-4 PD-104  
angular distribution for ( $n,n^*$ 31)



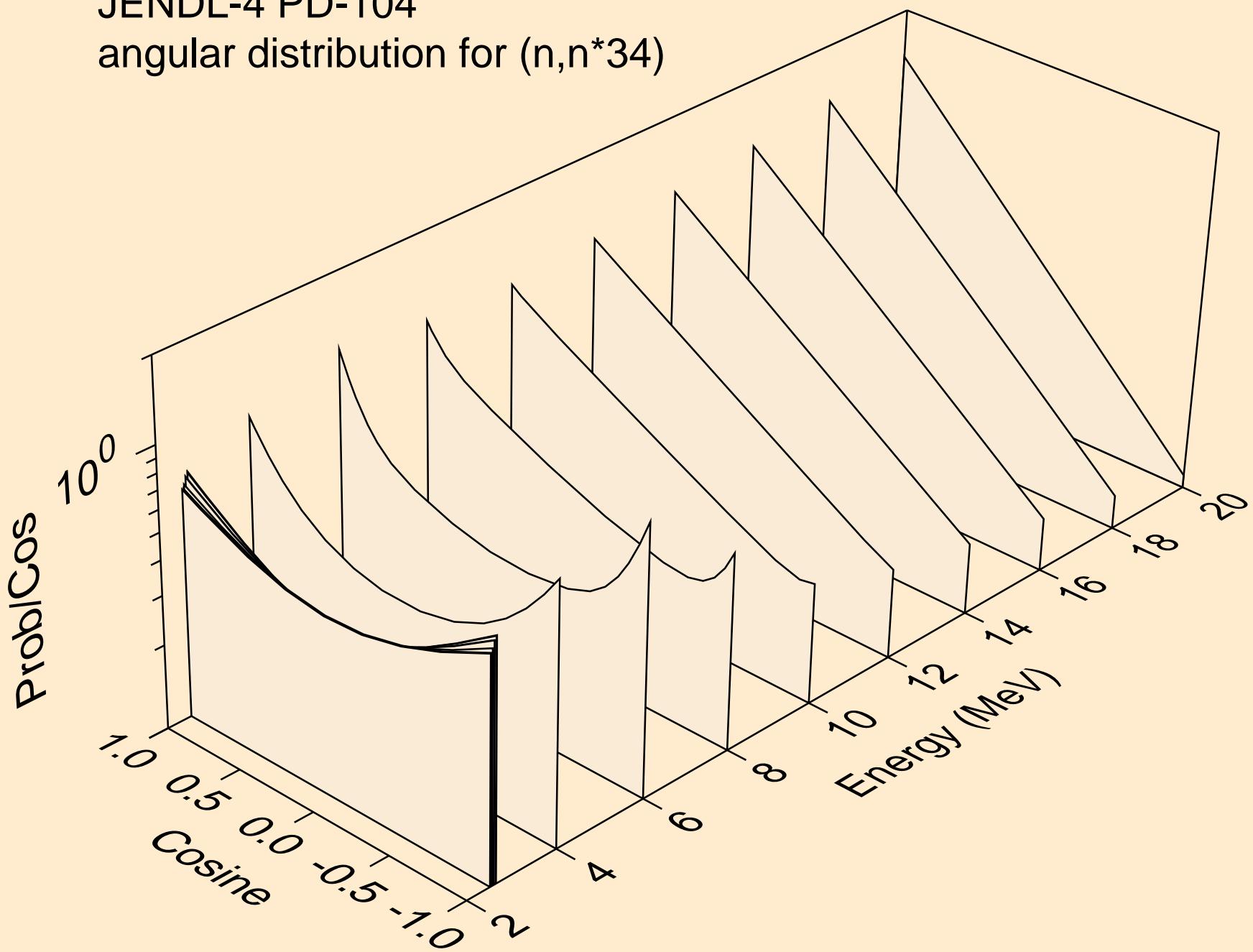
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angular distribution for  $(n,n^*32)$



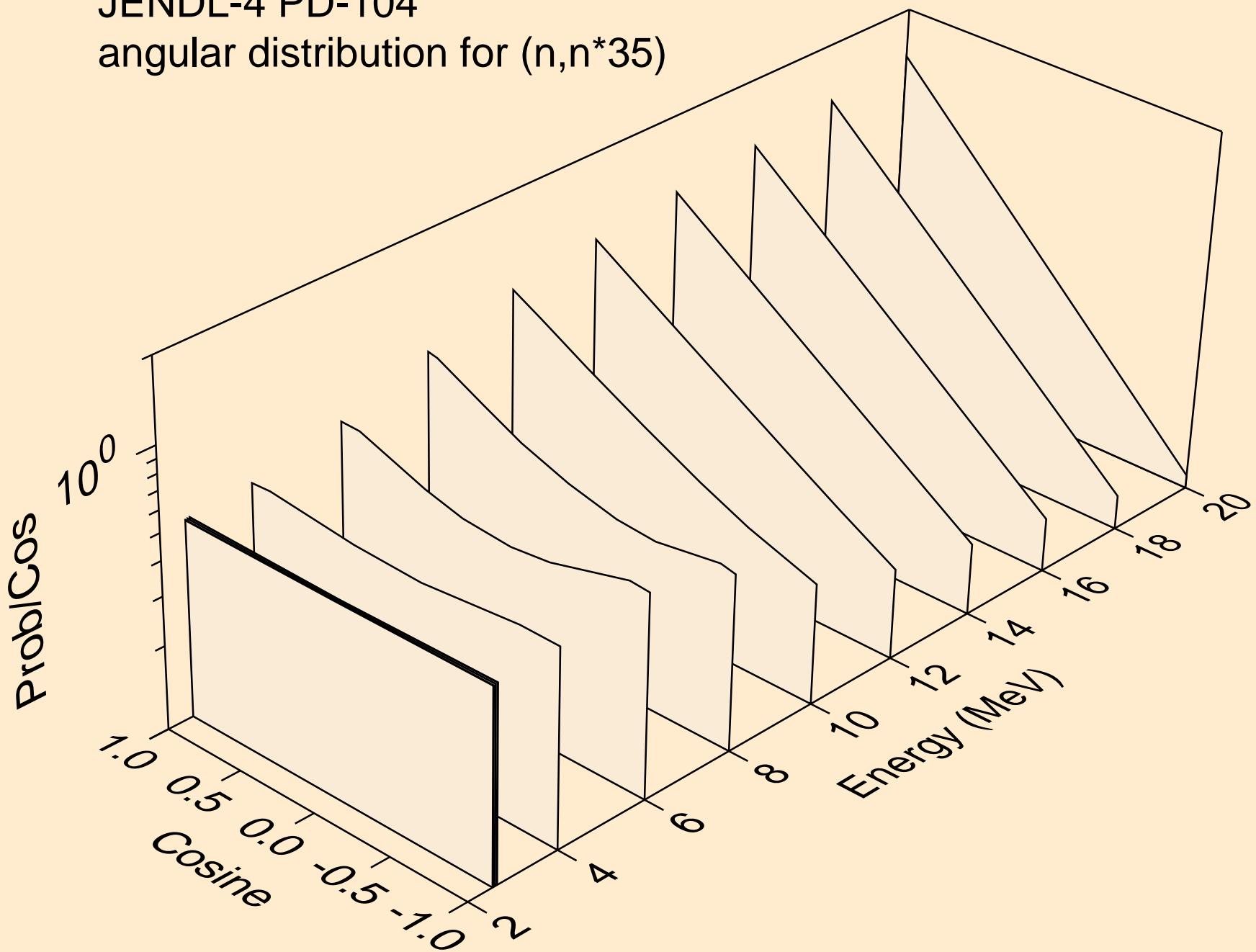
JENDL-4 PD-104  
angular distribution for ( $n, n^* 33$ )



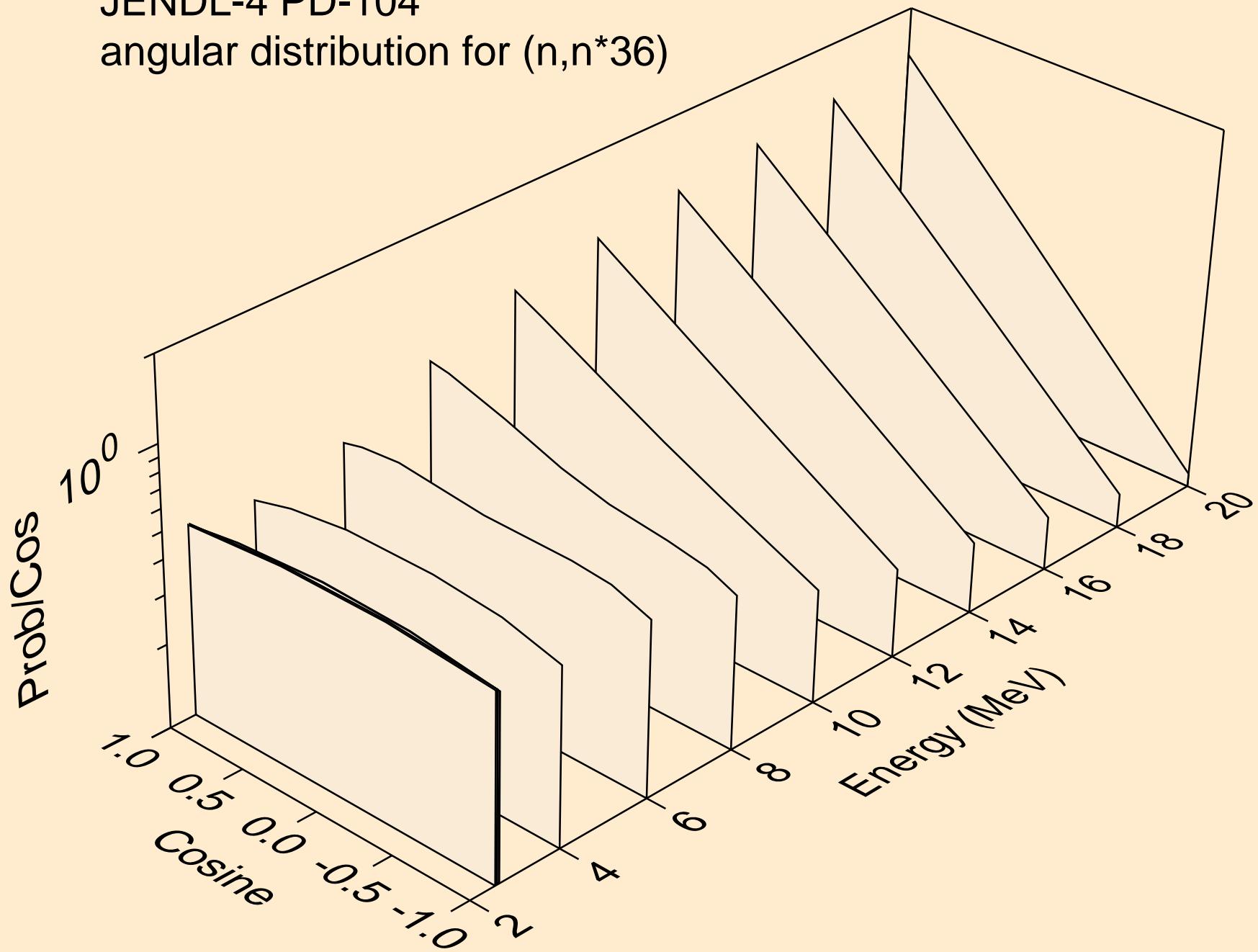
JENDL-4 PD-104  
angular distribution for ( $n, n^* 34$ )



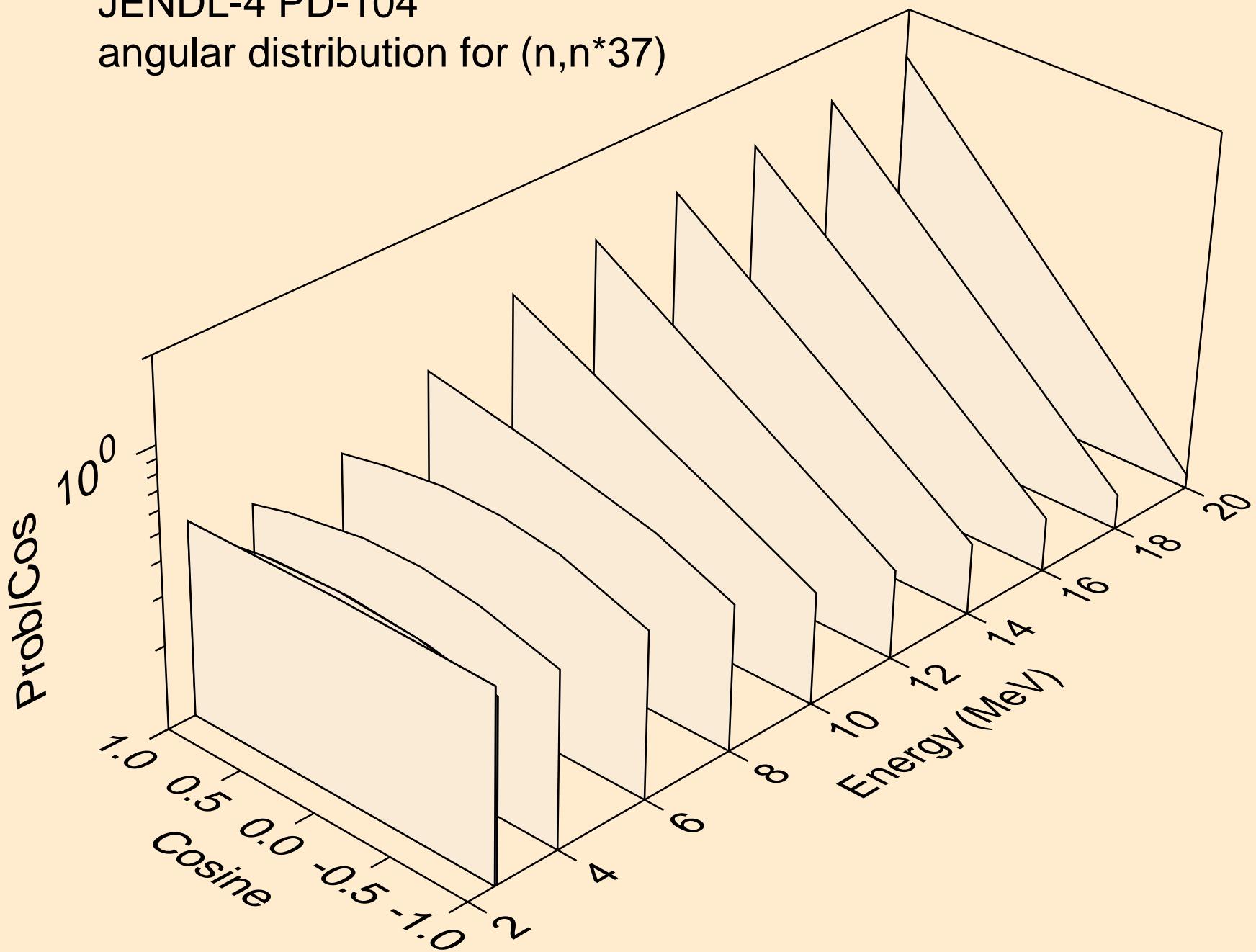
JENDL-4 PD-104  
angular distribution for  $(n,n^*35)$



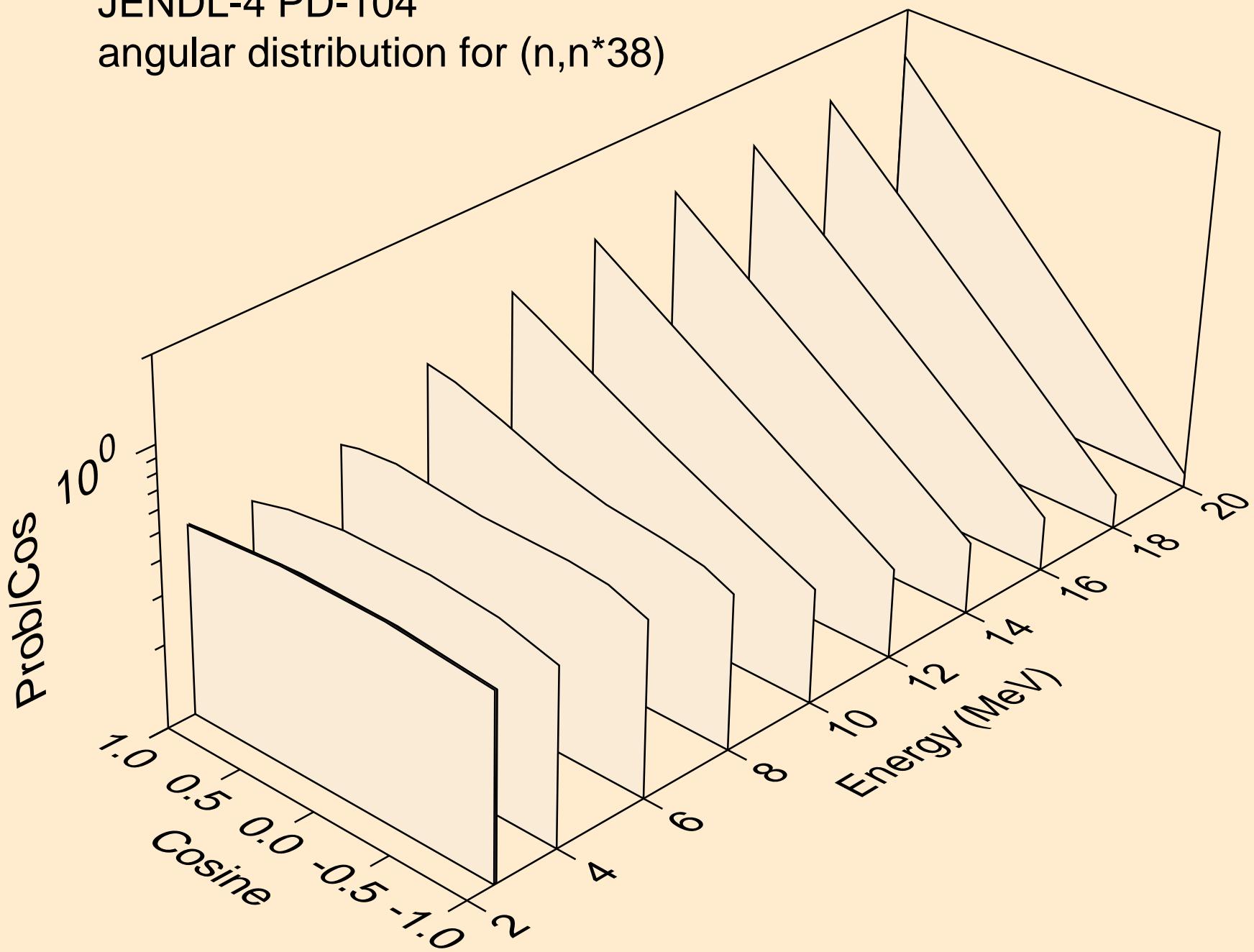
JENDL-4 PD-104  
angular distribution for  $(n,n^*36)$



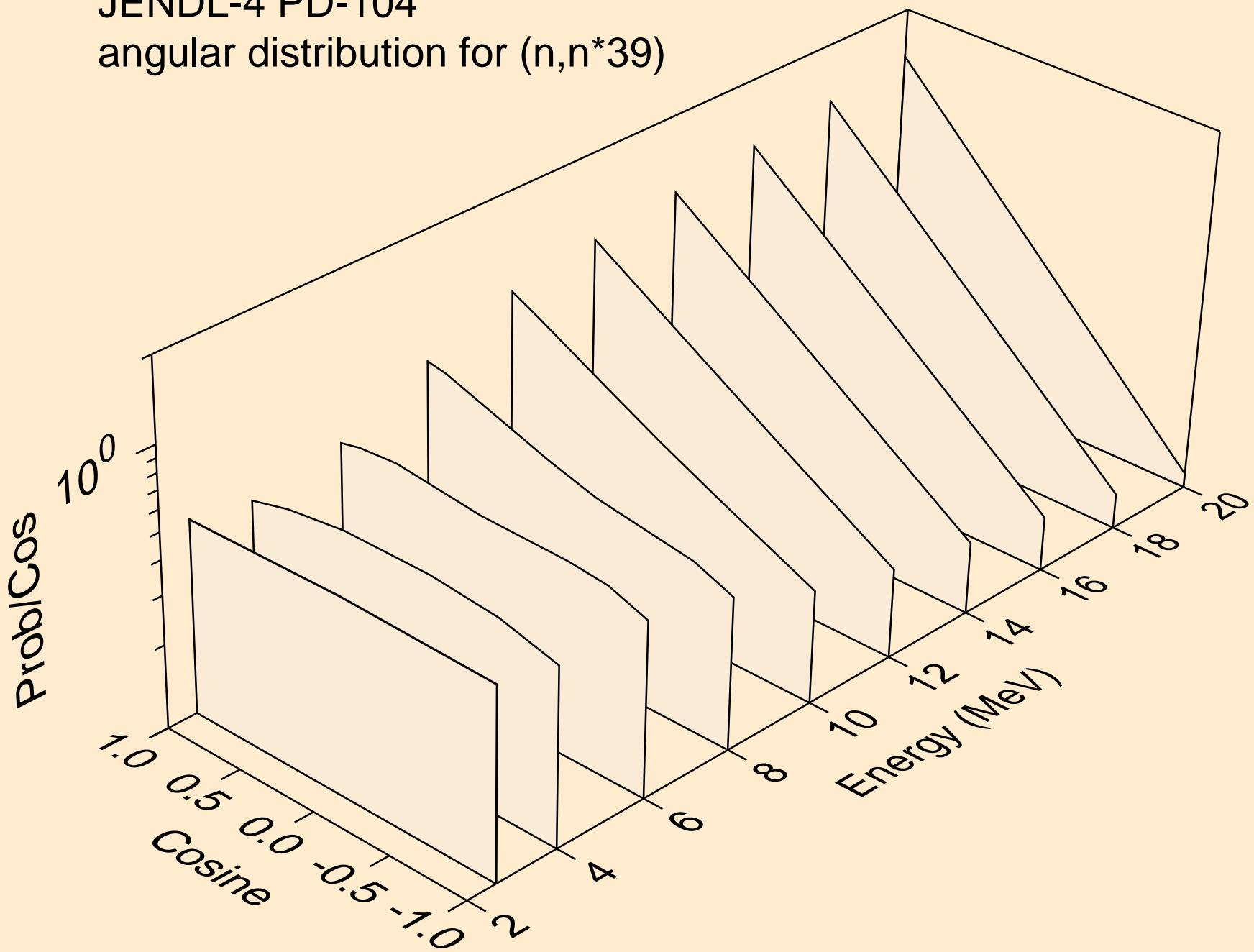
JENDL-4 PD-104  
angular distribution for  $(n,n^*37)$



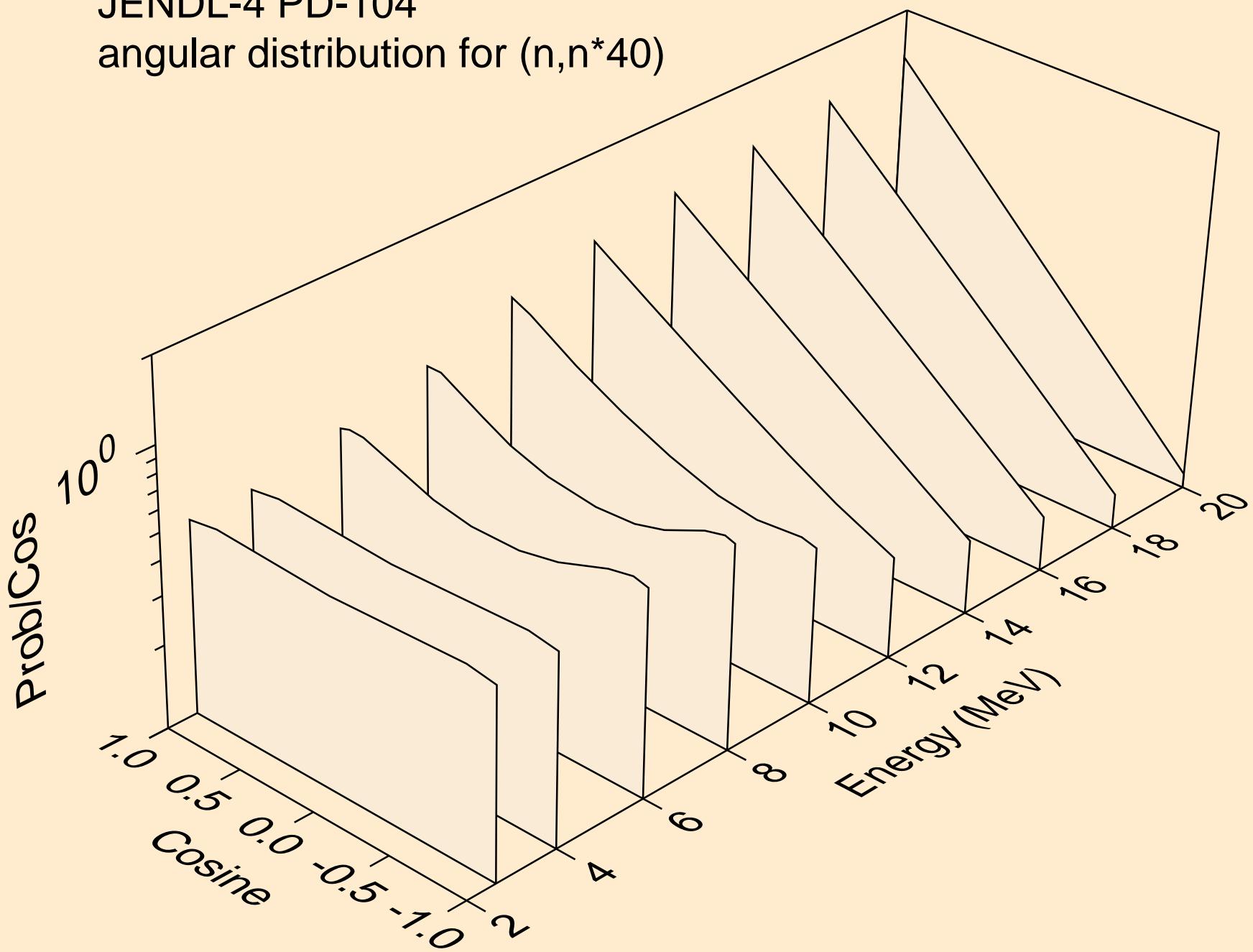
JENDL-4 PD-104  
angular distribution for  $(n,n^*38)$



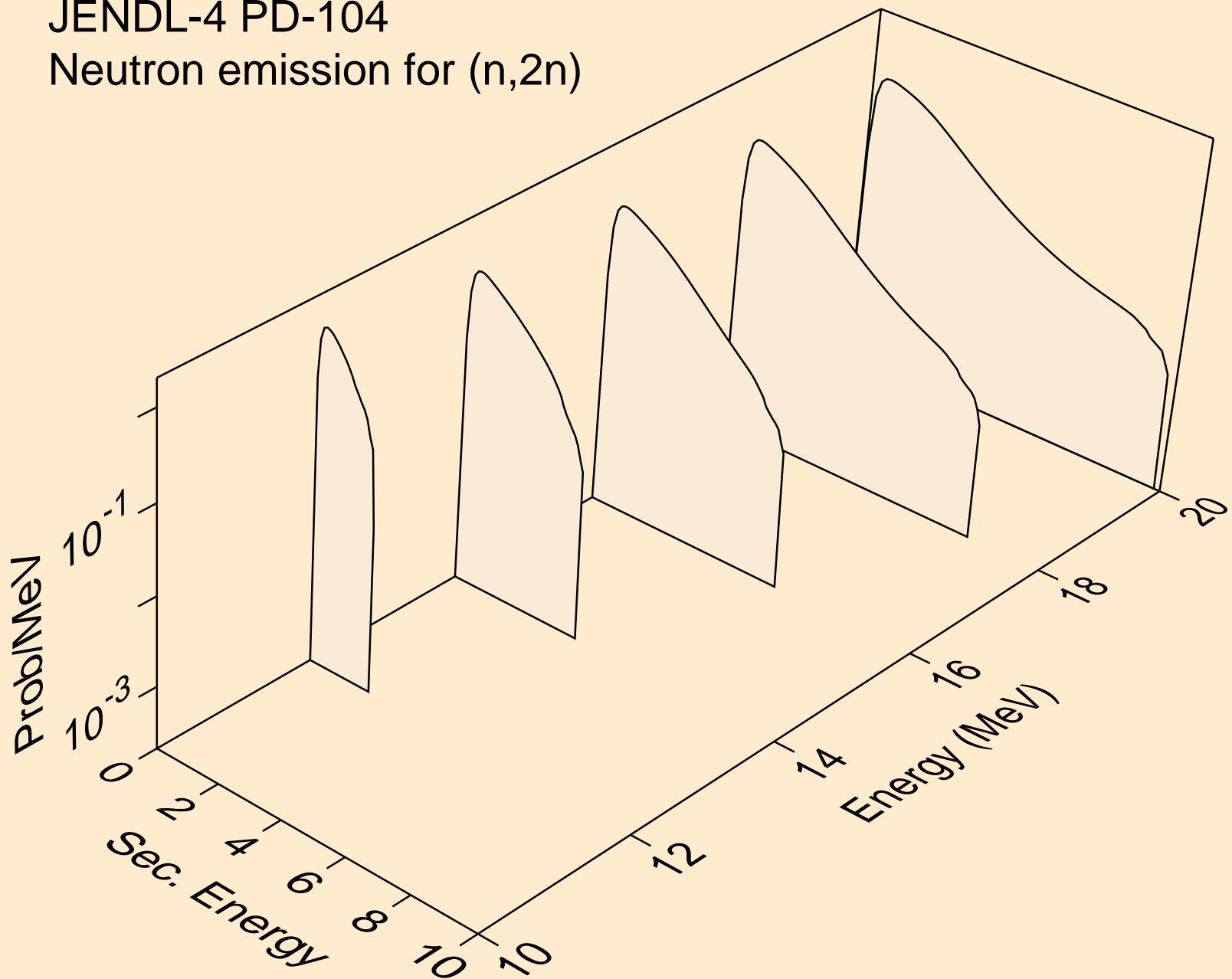
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angular distribution for  $(n,n^*39)$



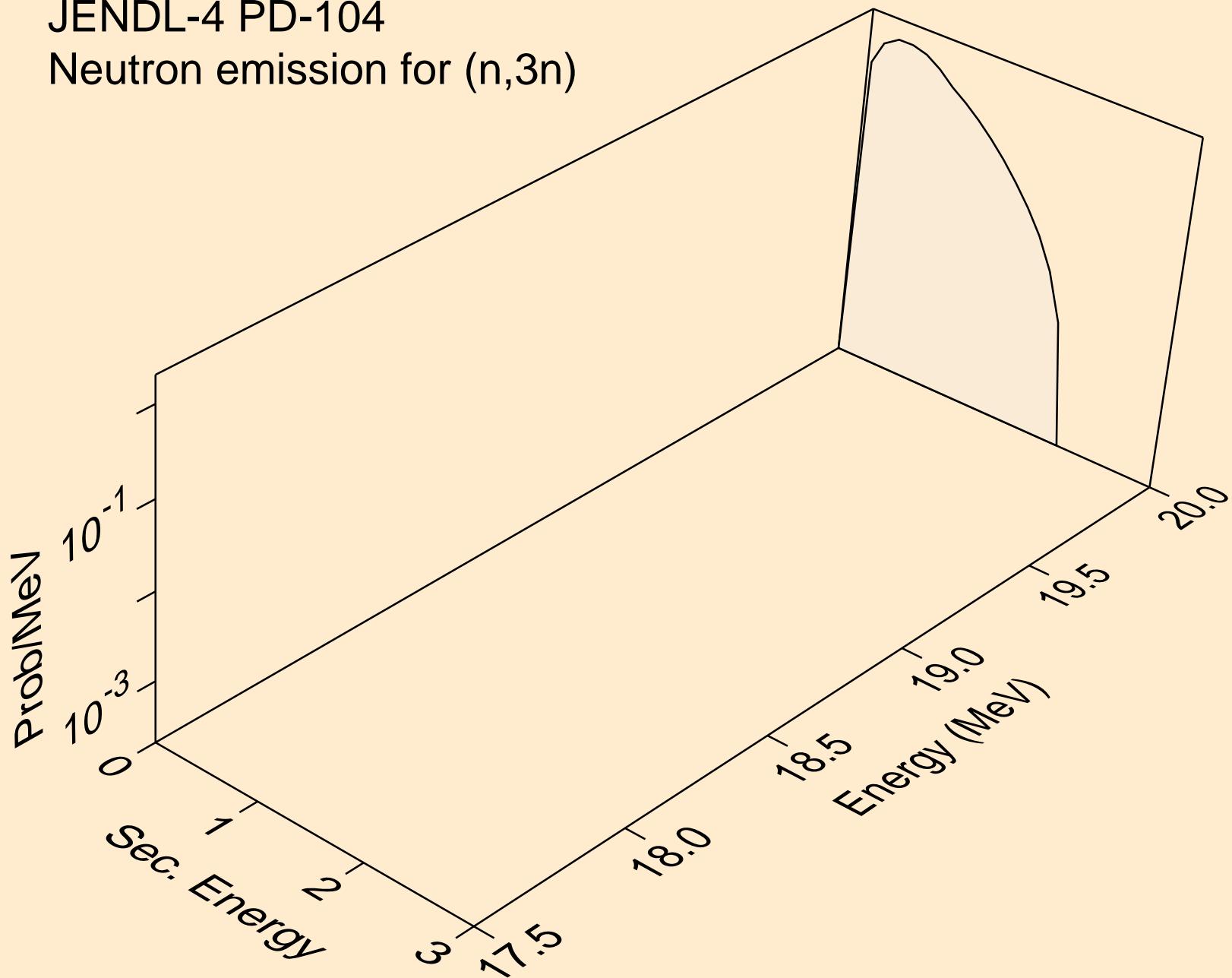
JENDL-4 PD-104  
angular distribution for  $(n,n^*40)$



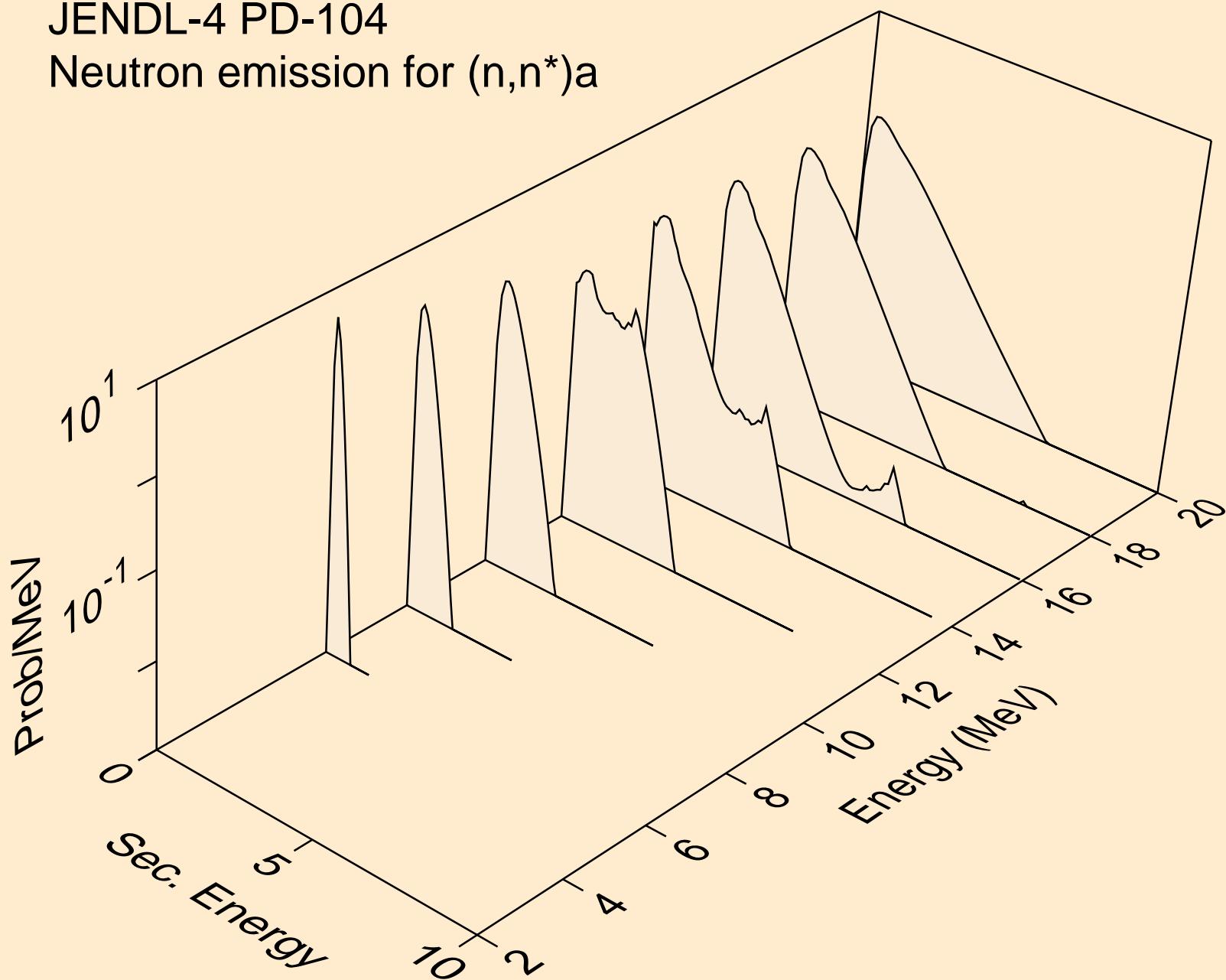
JENDL-4 PD-104  
Neutron emission for  $(n,2n)$



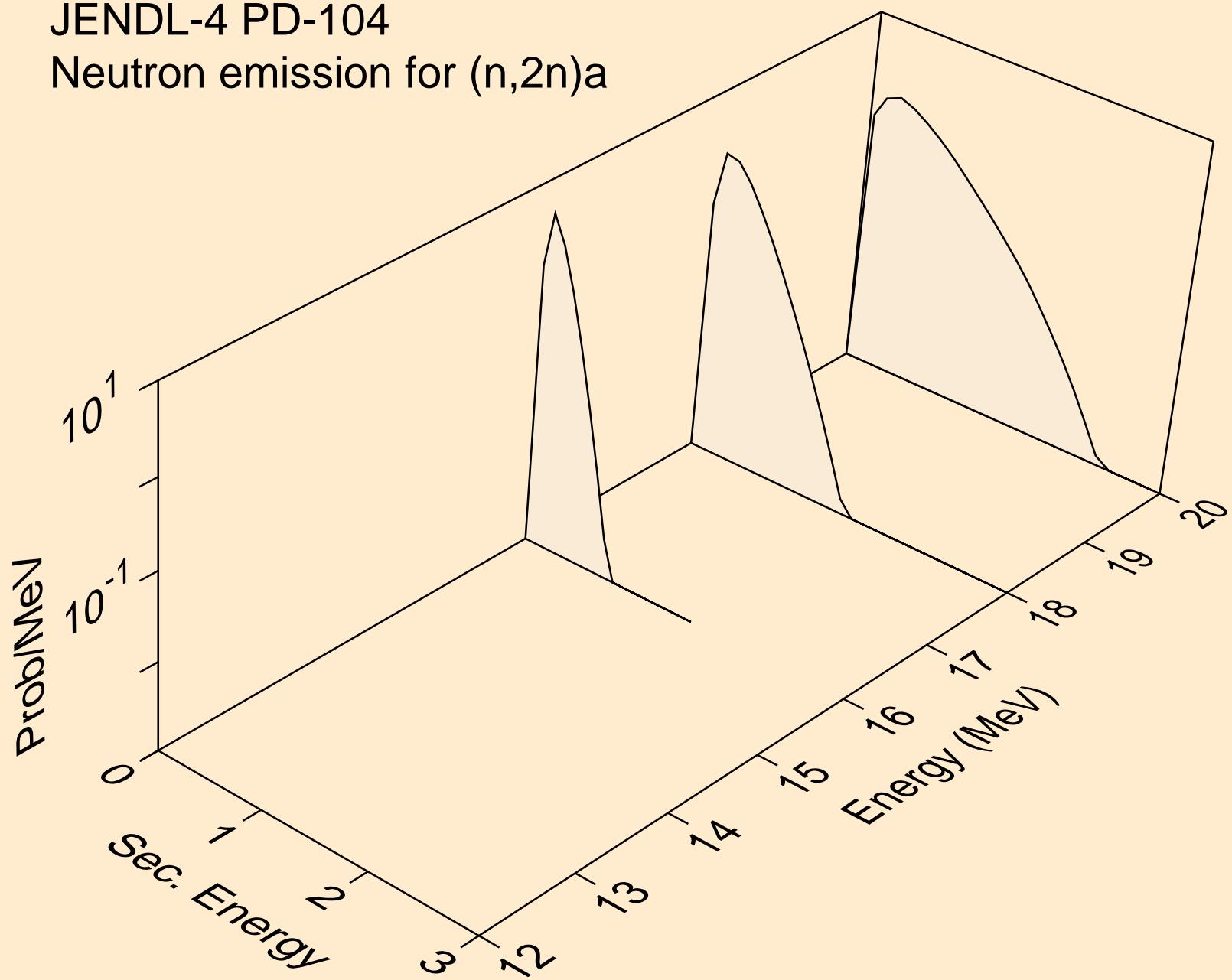
JENDL-4 PD-104  
Neutron emission for (n,3n)



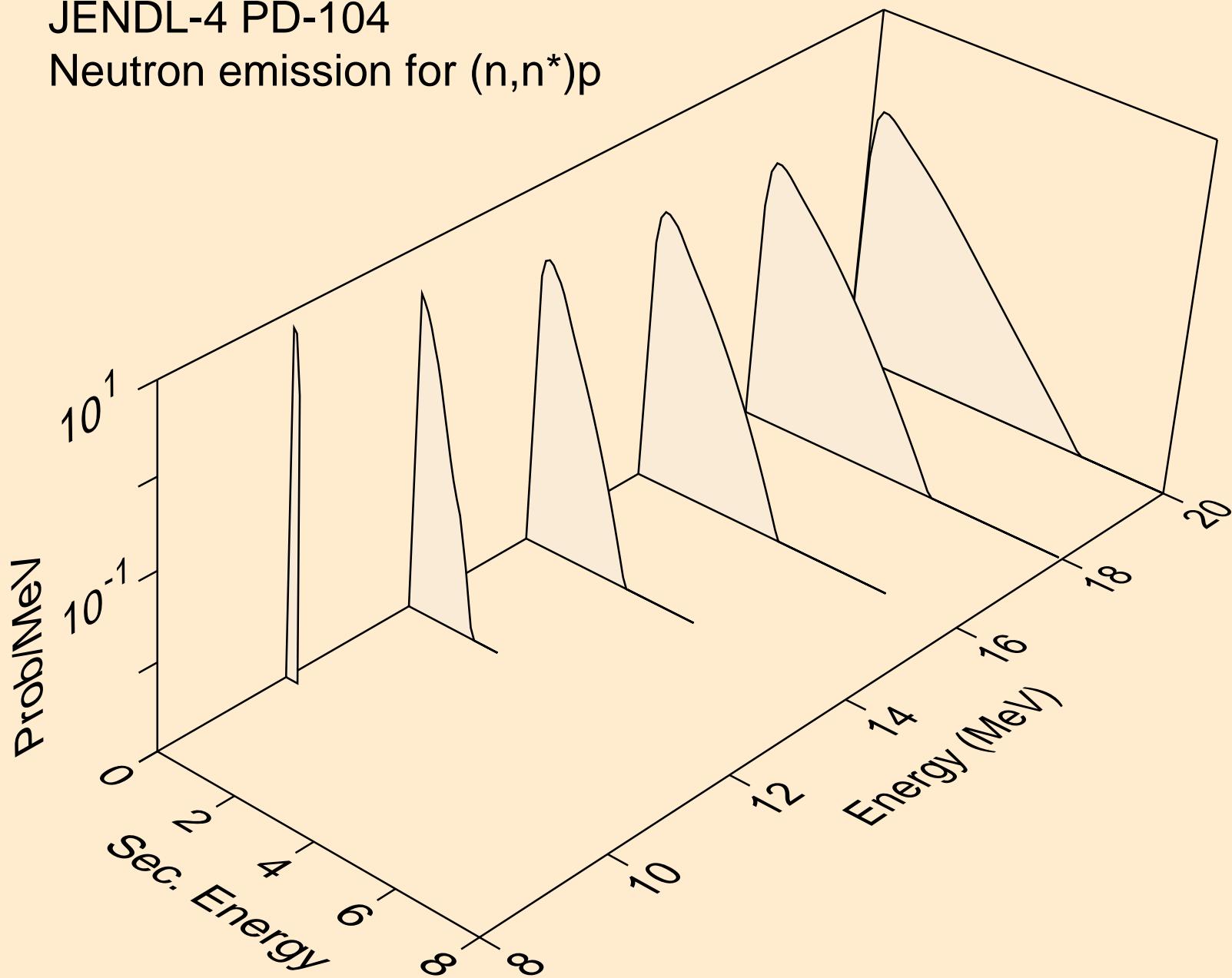
JENDL-4 PD-104  
Neutron emission for  $(n,n^*)a$



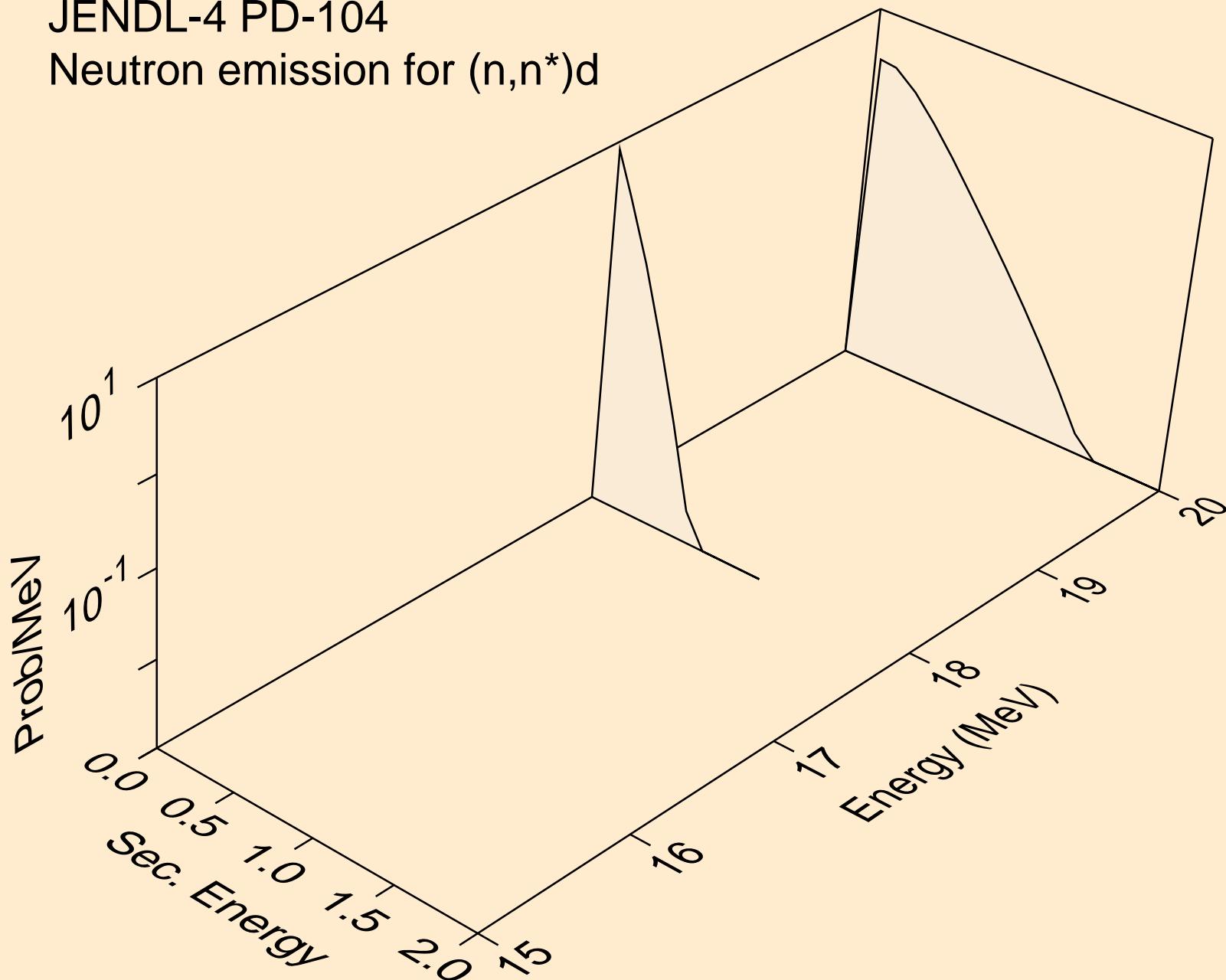
JENDL-4 PD-104  
Neutron emission for  $(n,2n)a$



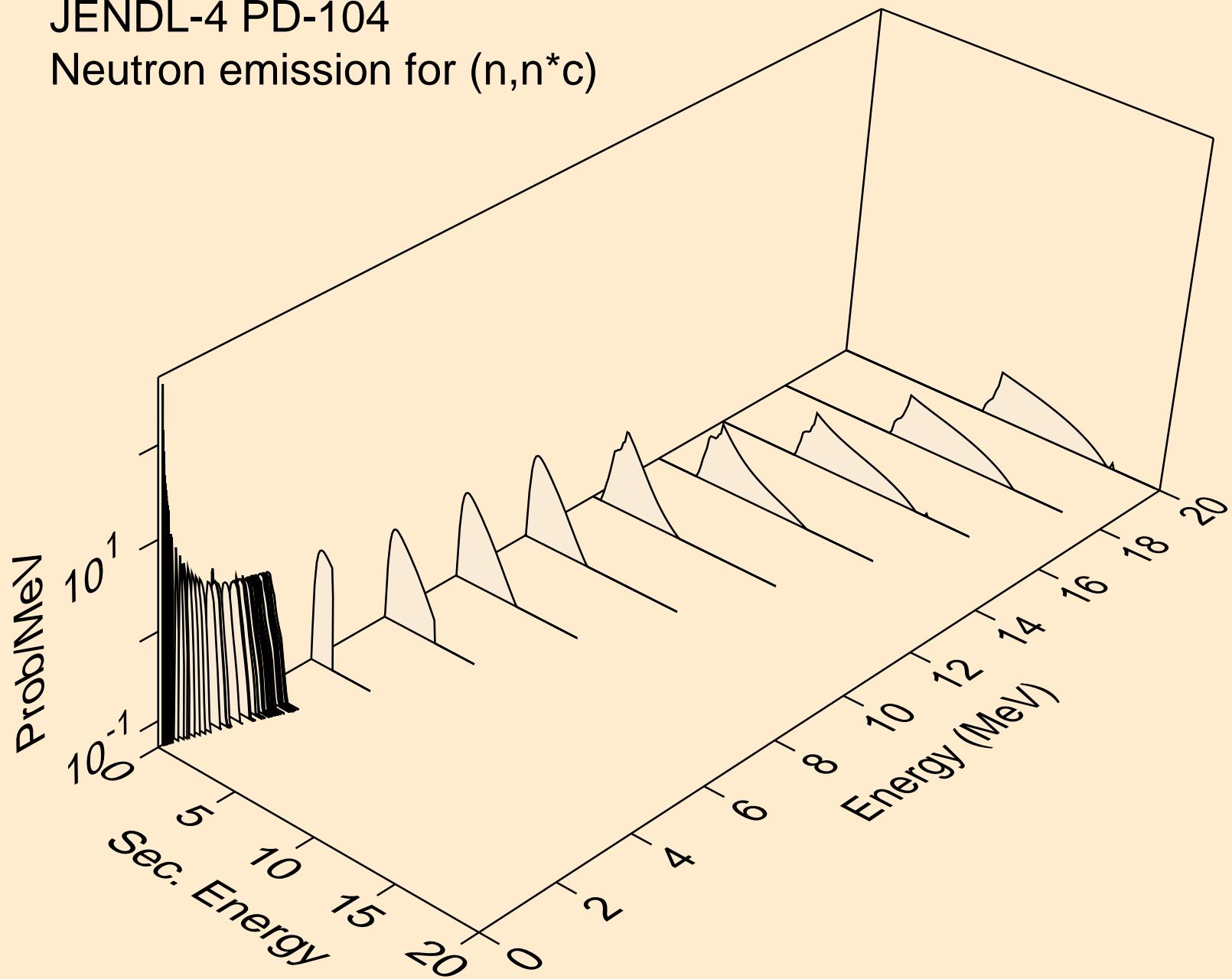
JENDL-4 PD-104  
Neutron emission for  $(n,n^*)p$



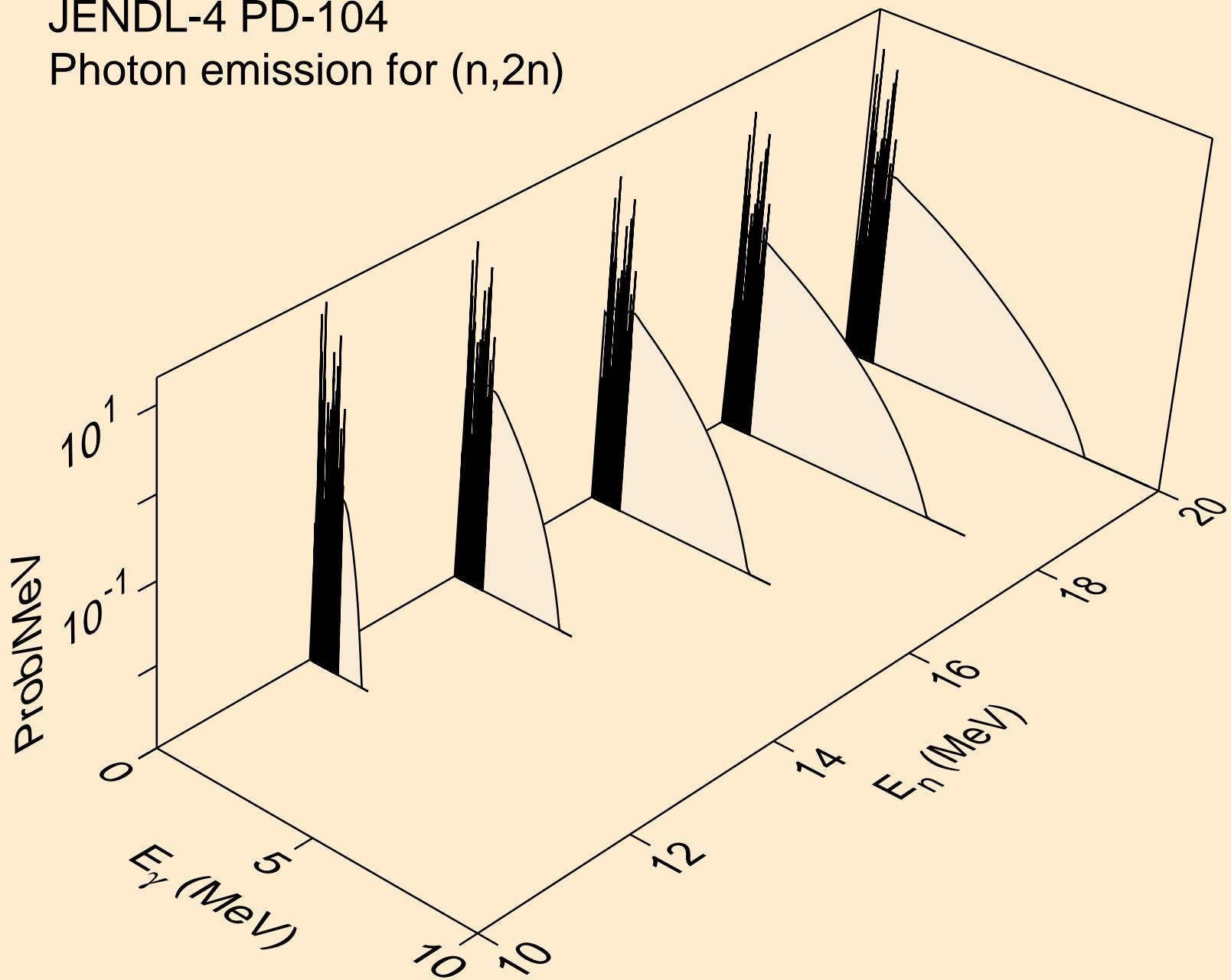
JENDL-4 PD-104  
Neutron emission for  $(n,n^*)d$



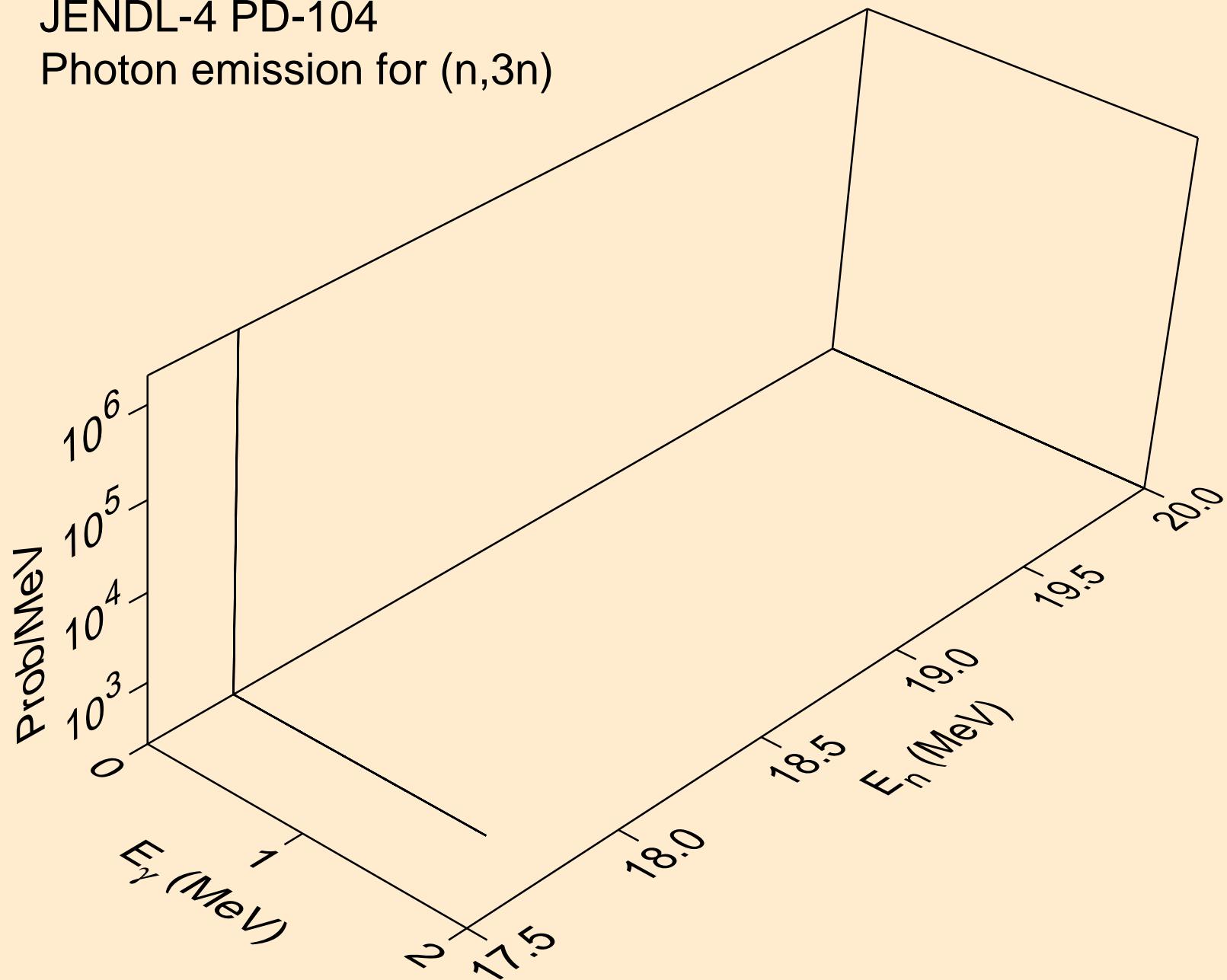
JENDL-4 PD-104  
Neutron emission for  $(n,n^*c)$



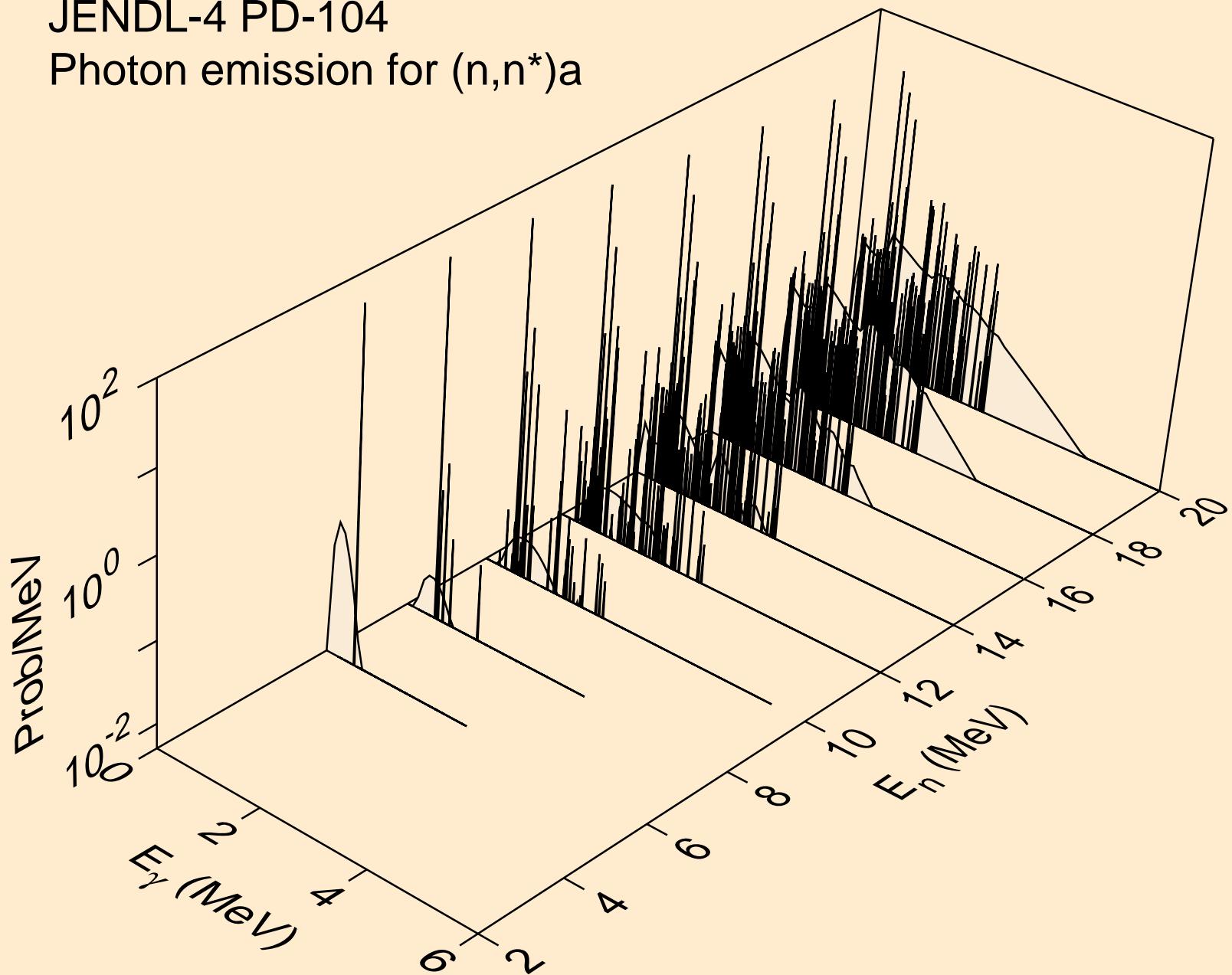
JENDL-4 PD-104  
Photon emission for (n,2n)



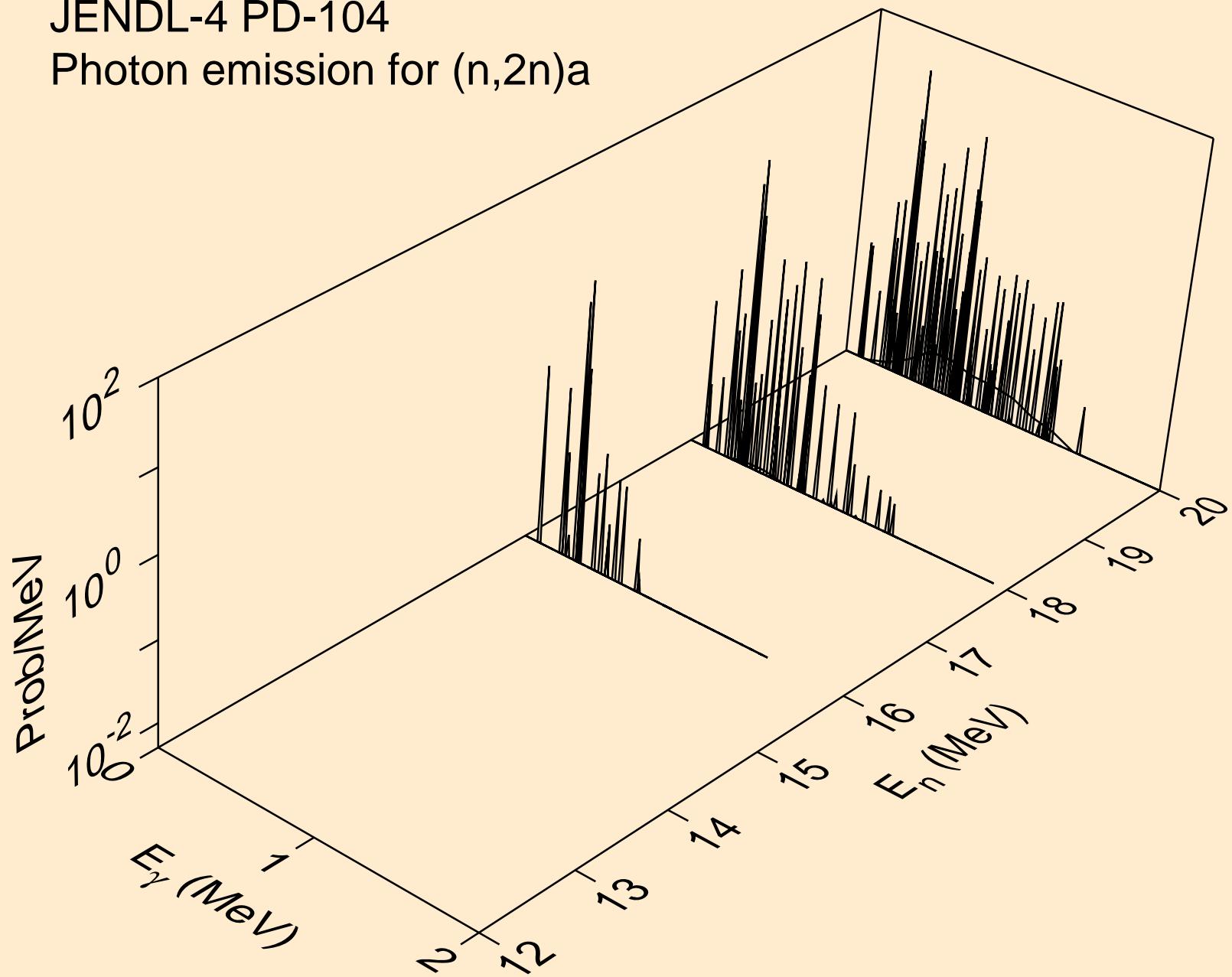
JENDL-4 PD-104  
Photon emission for (n,3n)



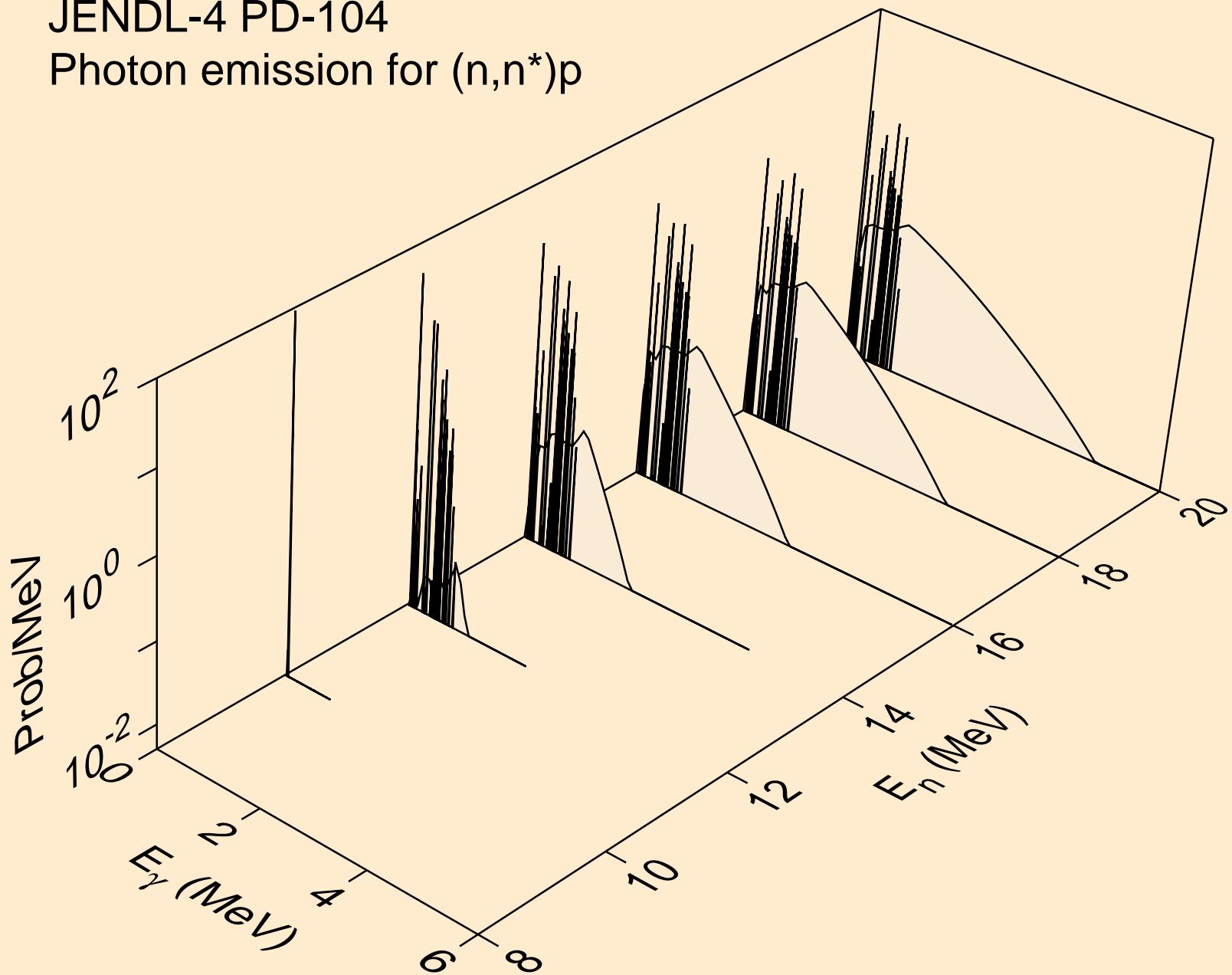
JENDL-4 PD-104  
Photon emission for  $(n,n^*)a$



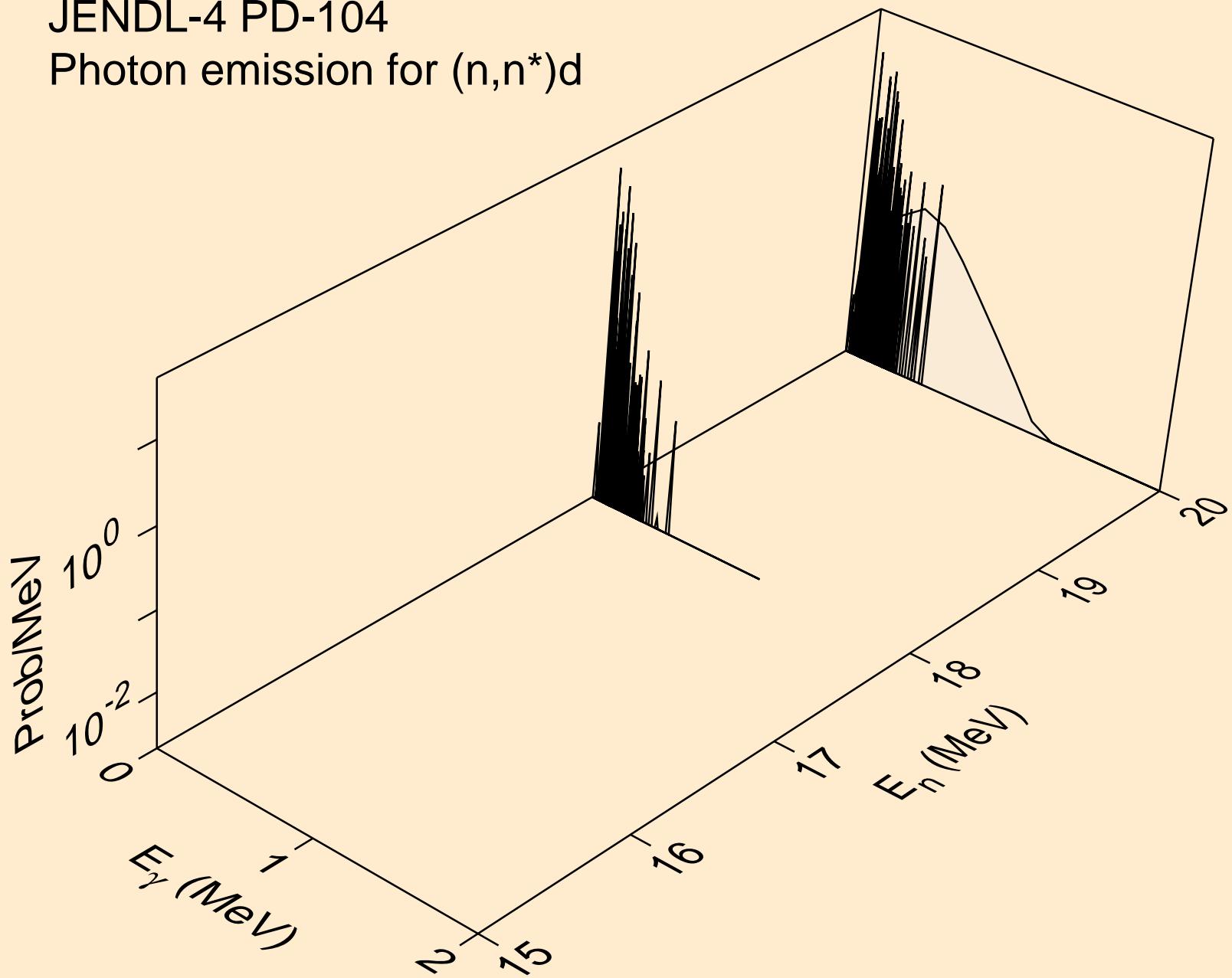
JENDL-4 PD-104  
Photon emission for  $(n,2n)a$



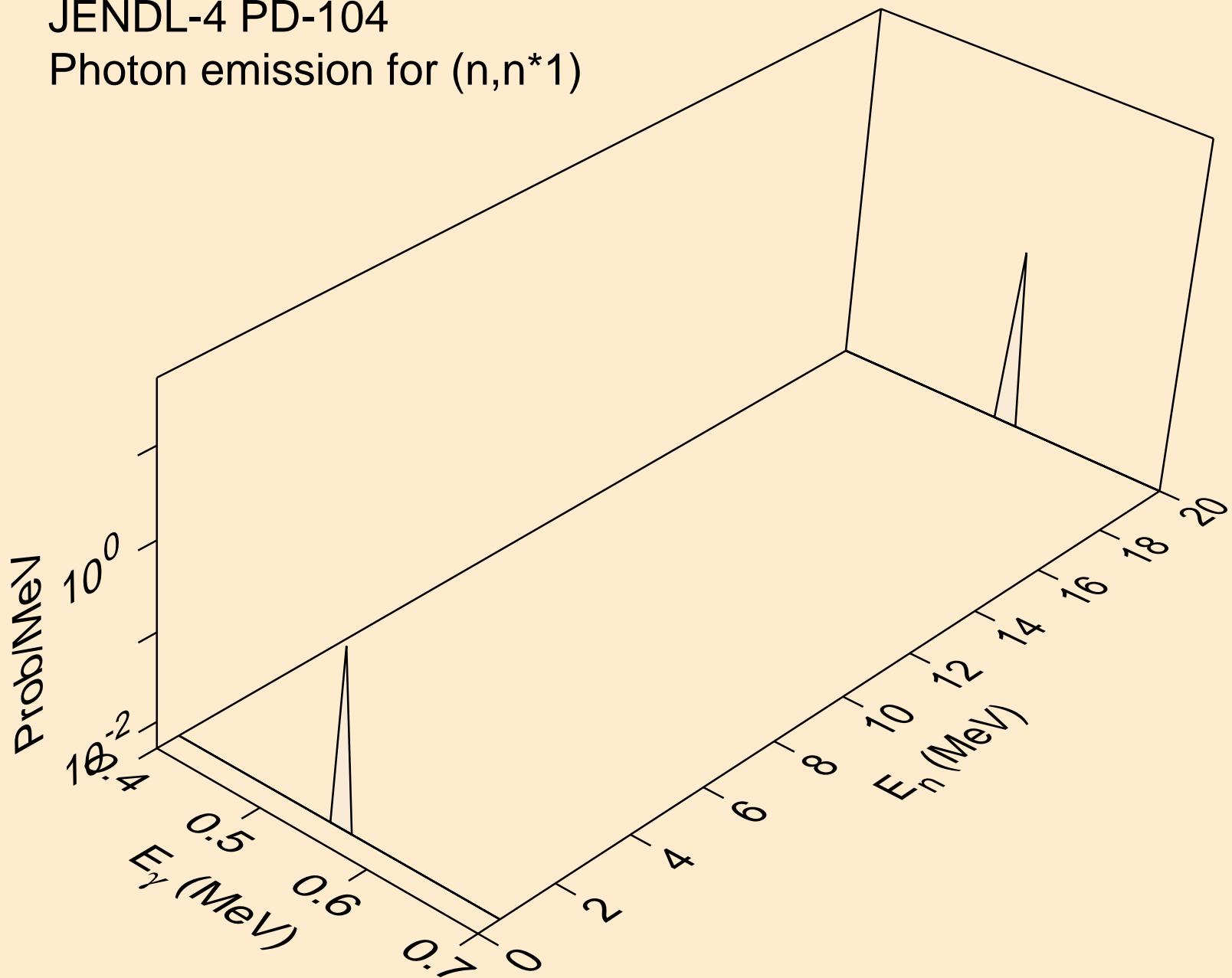
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Photon emission for  $(n,n^*)p$



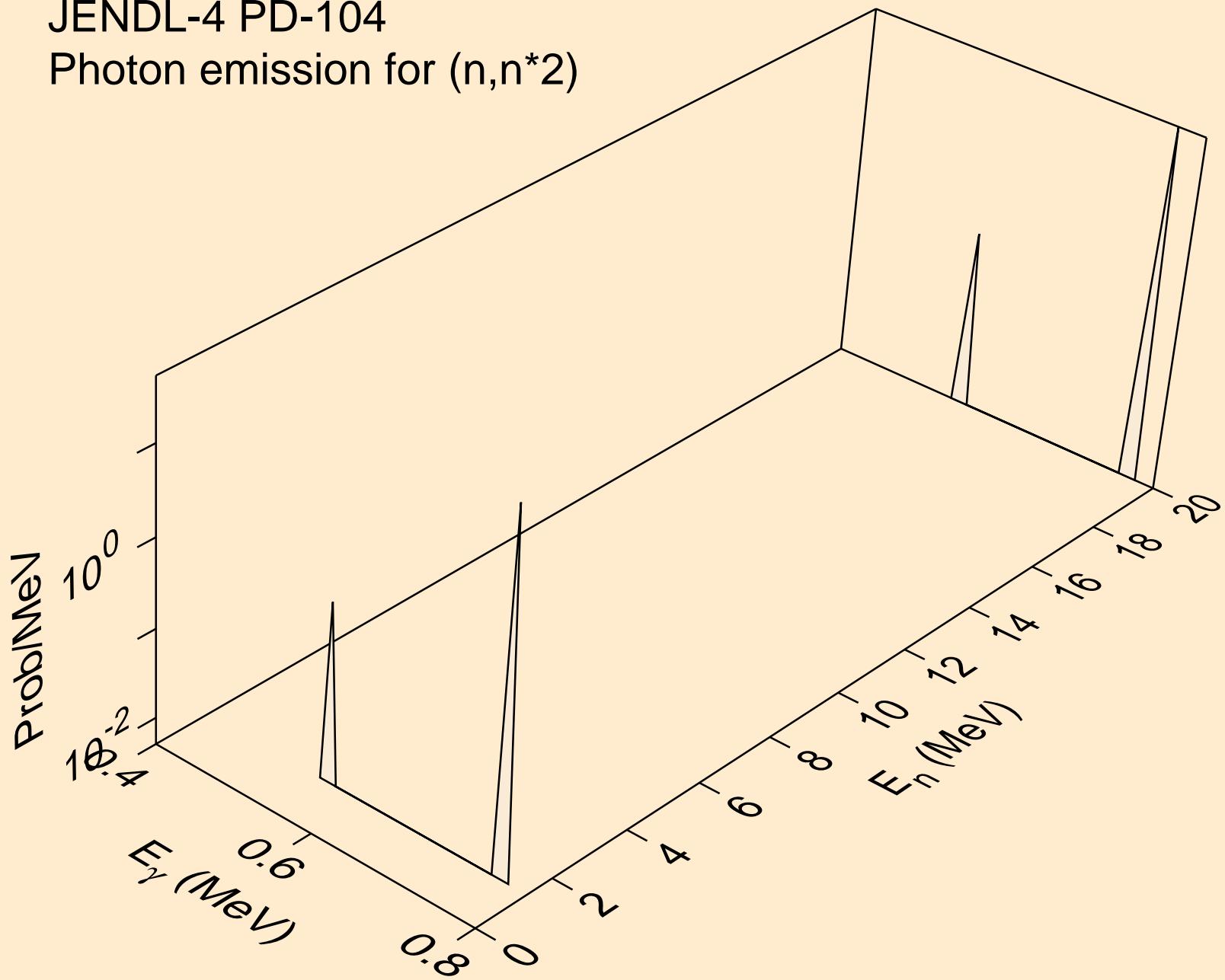
JENDL-4 PD-104  
Photon emission for  $(n,n^*)d$



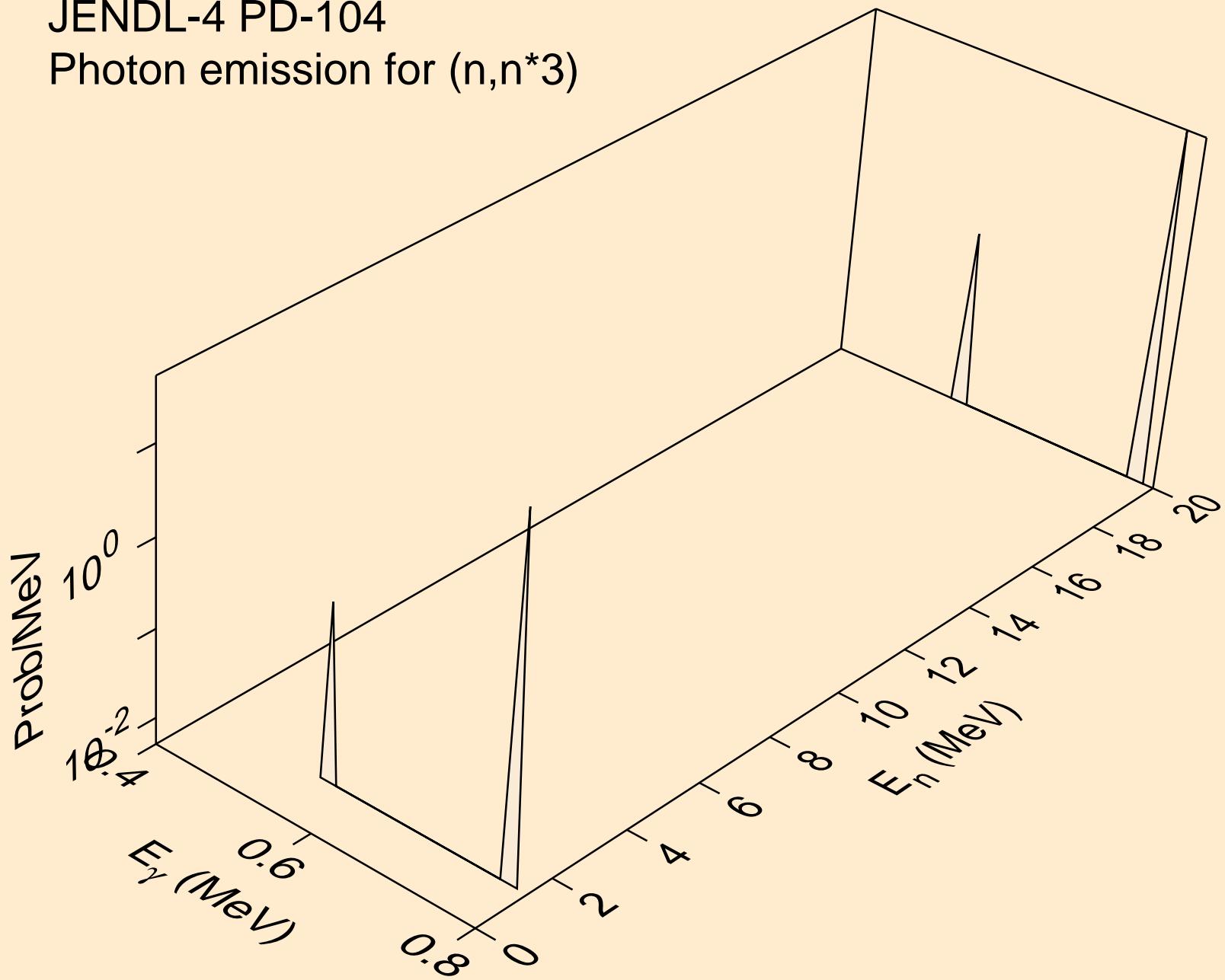
JENDL-4 PD-104  
Photon emission for (n,n\*1)



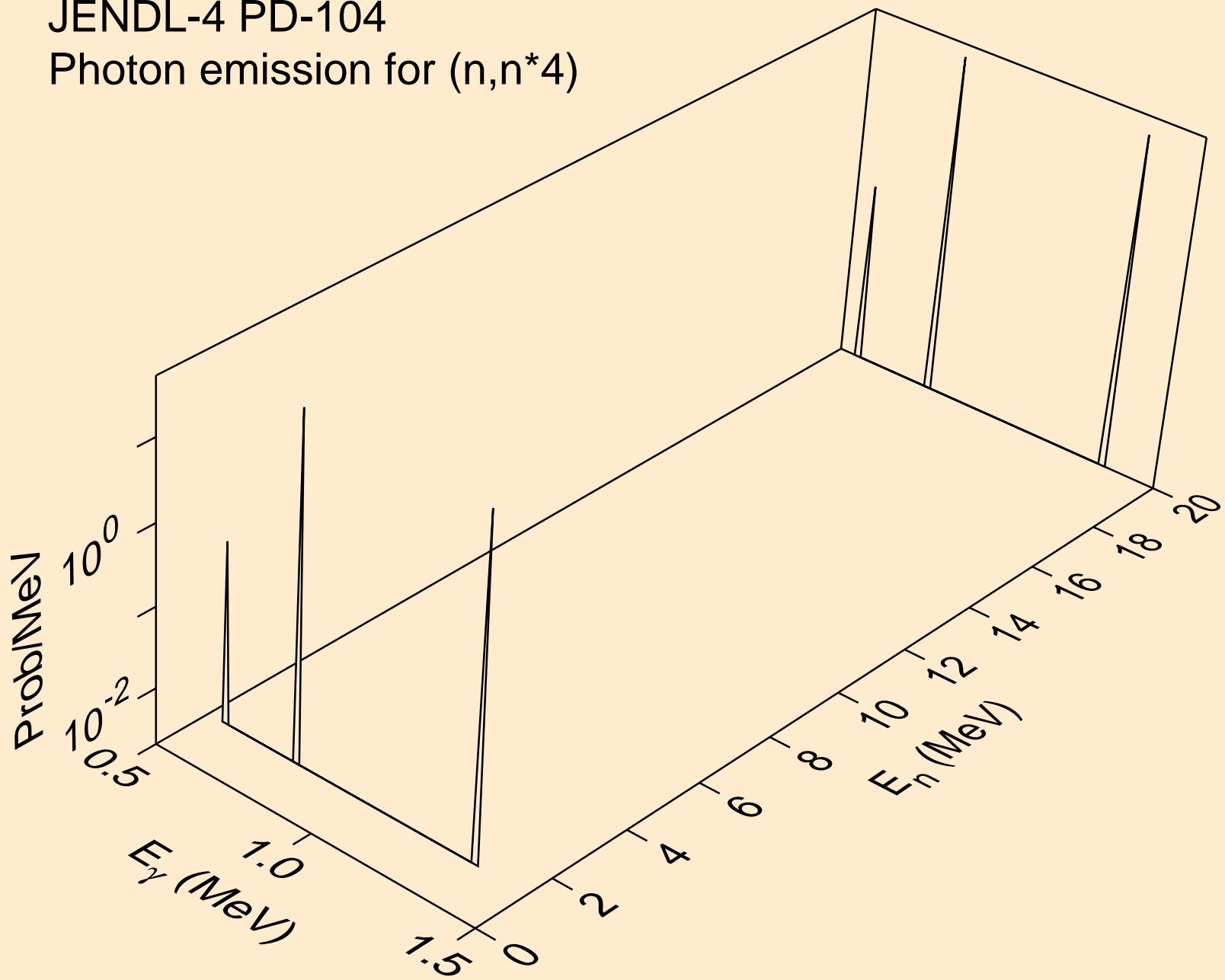
JENDL-4 PD-104  
Photon emission for (n,n\*2)



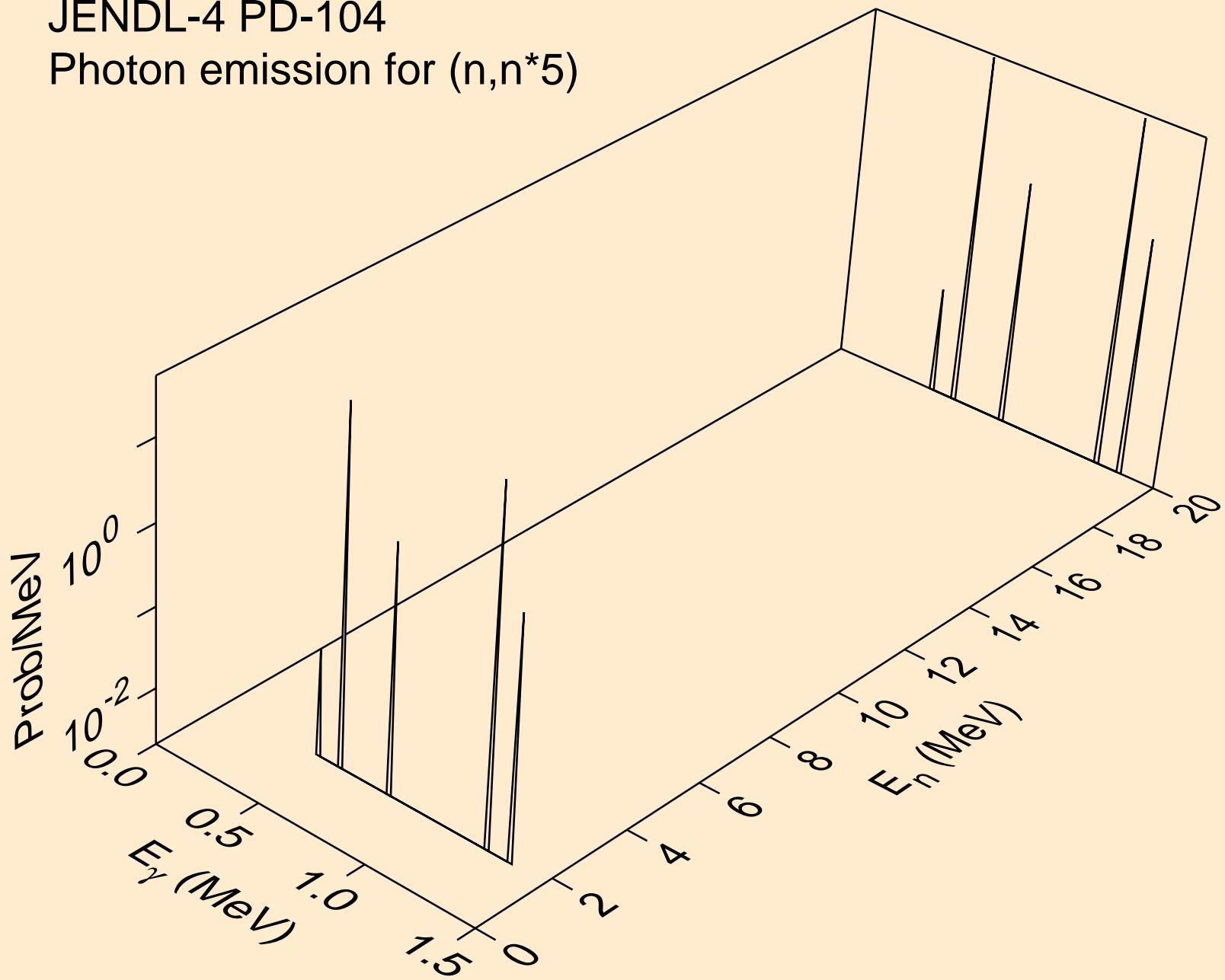
JENDL-4 PD-104  
Photon emission for (n,n\*3)



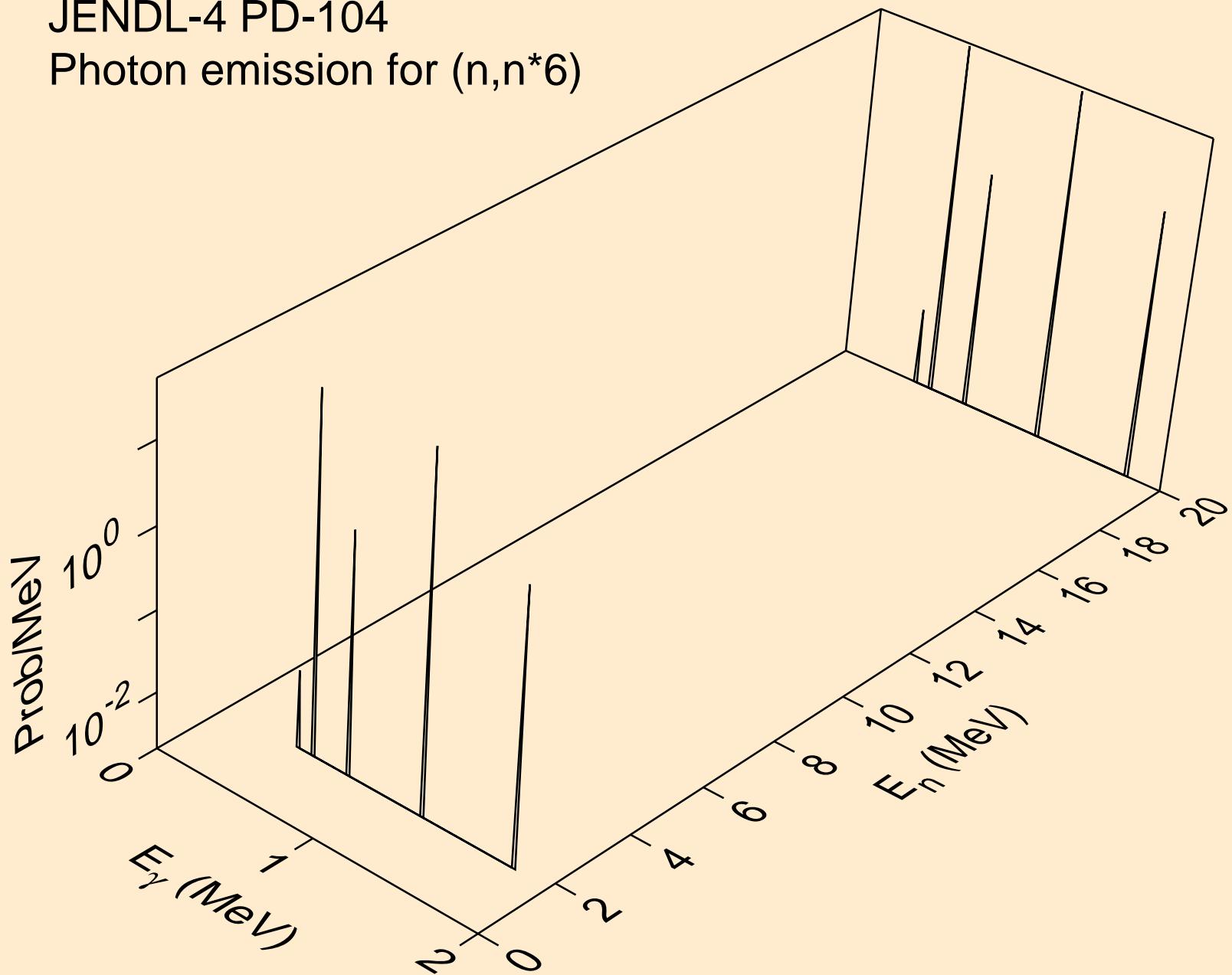
JENDL-4 PD-104  
Photon emission for ( $n, n^*4$ )



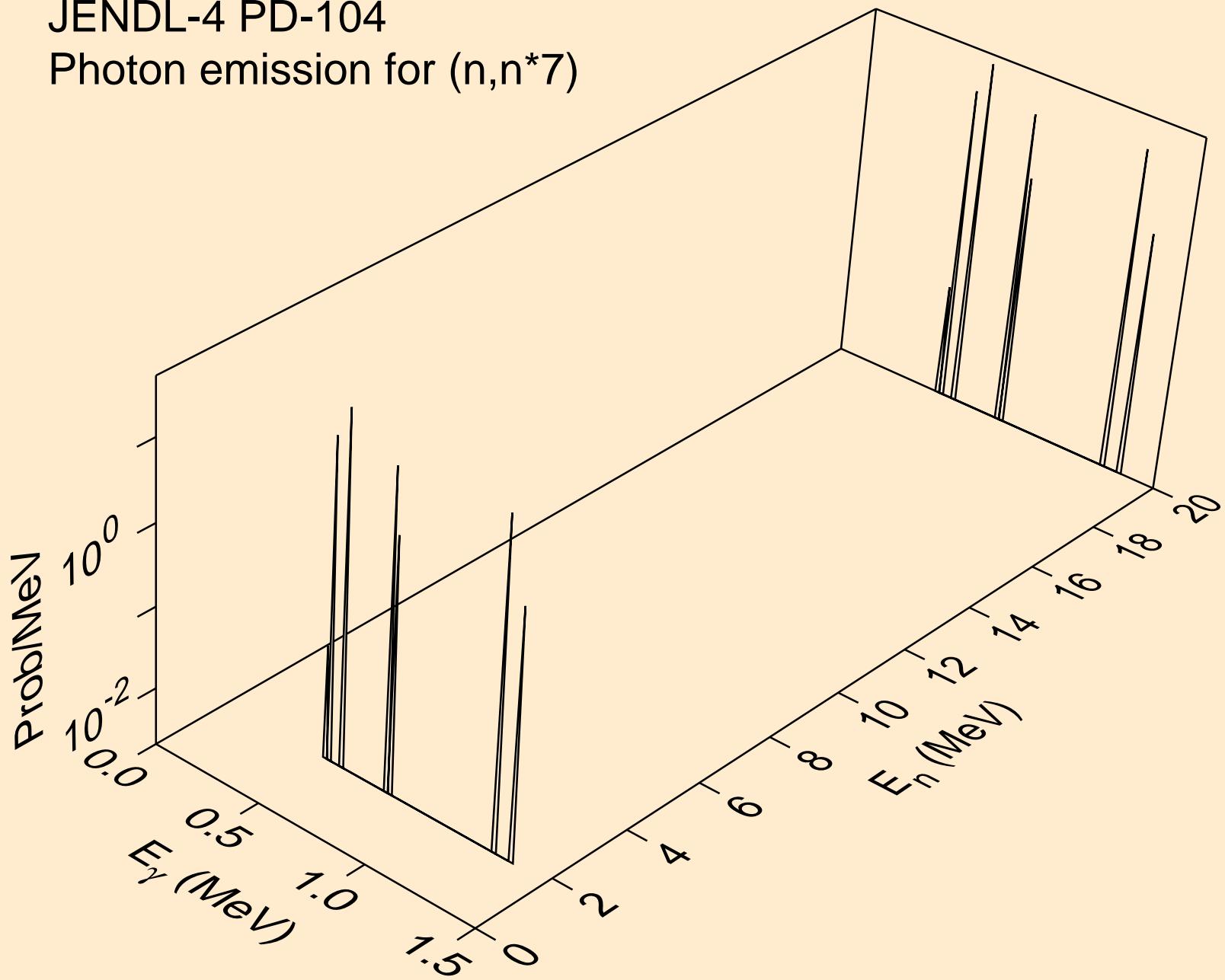
JENDL-4 PD-104  
Photon emission for (n,n\*5)



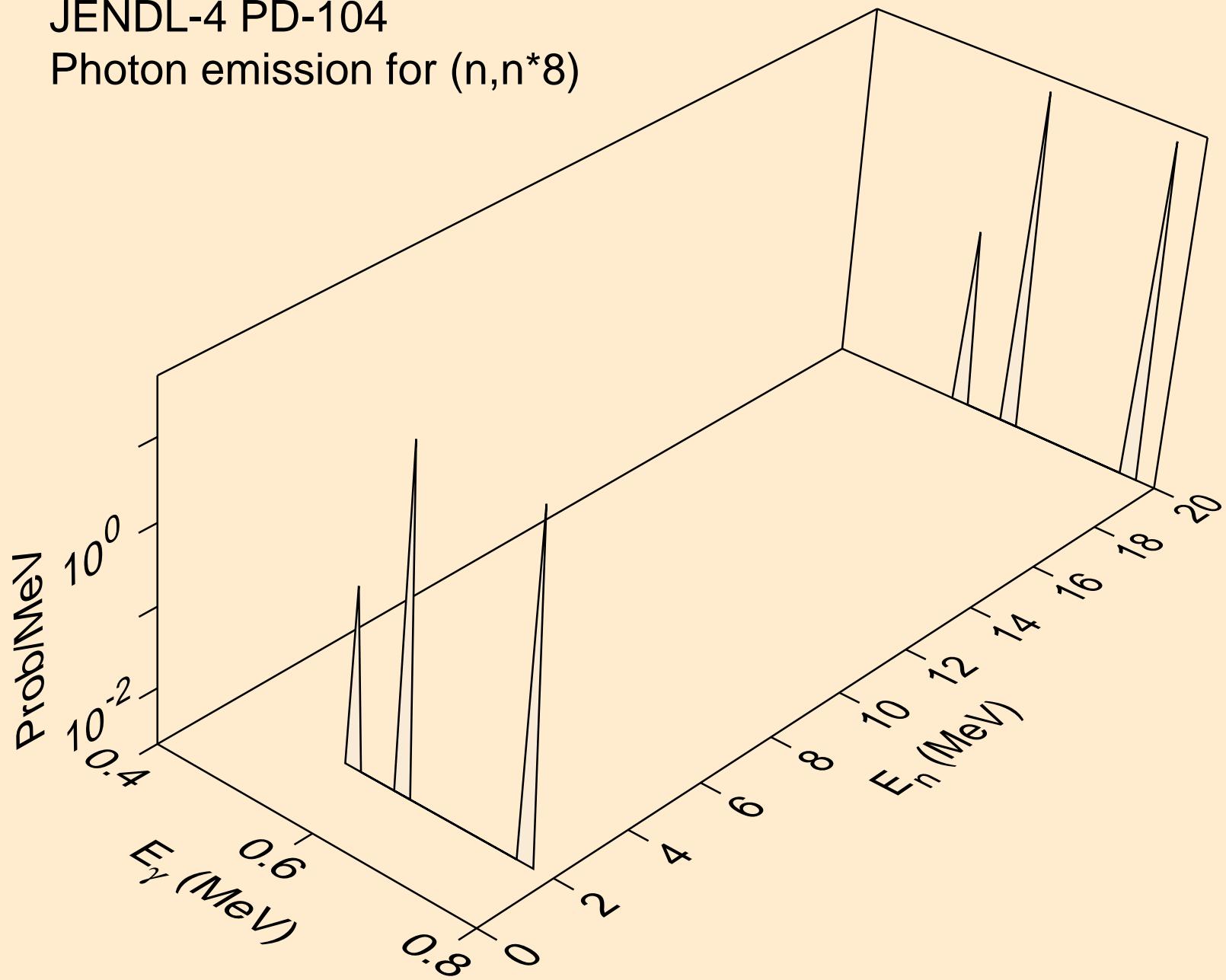
JENDL-4 PD-104  
Photon emission for  $(n,n^*6)$



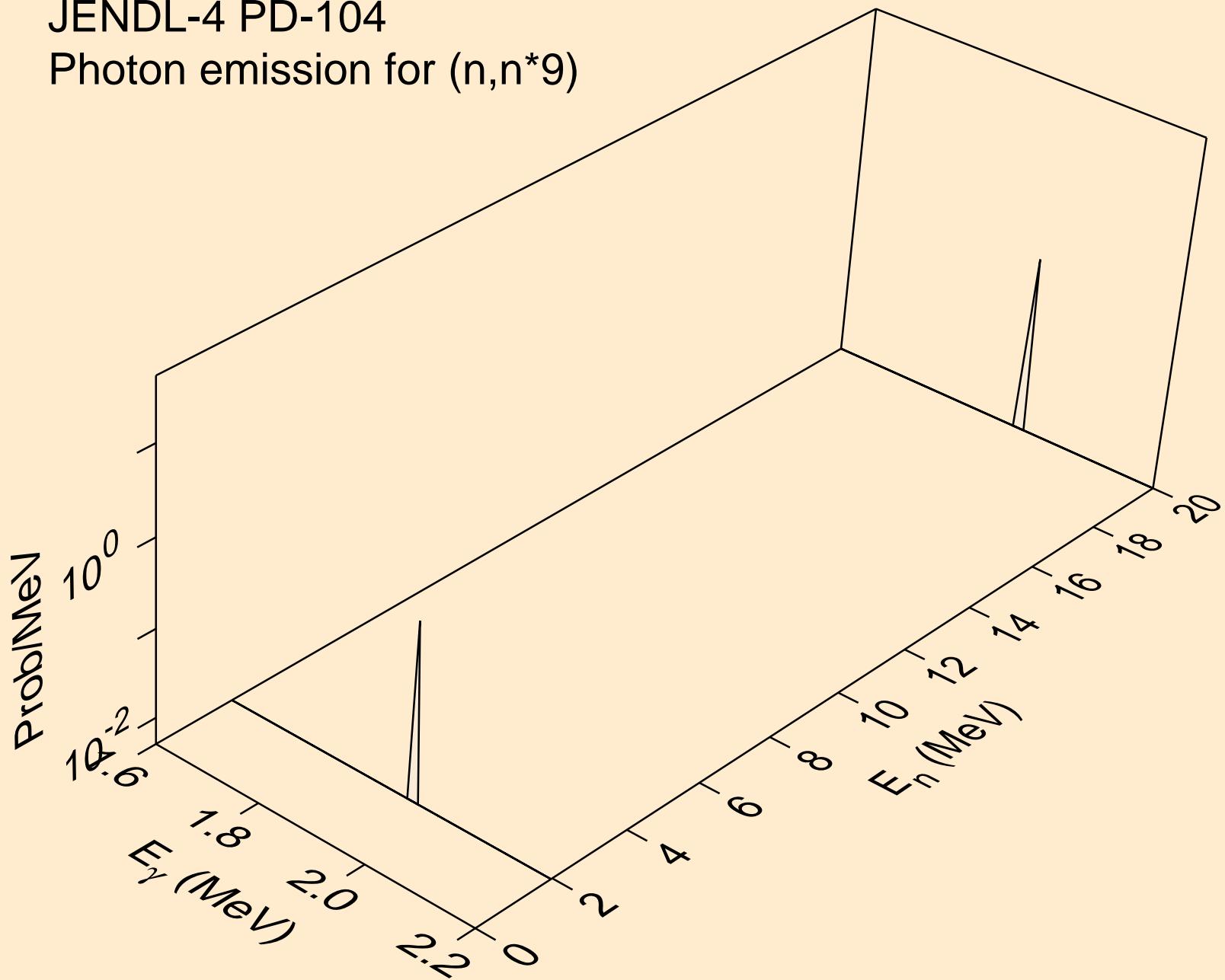
JENDL-4 PD-104  
Photon emission for  $(n,n^*7)$



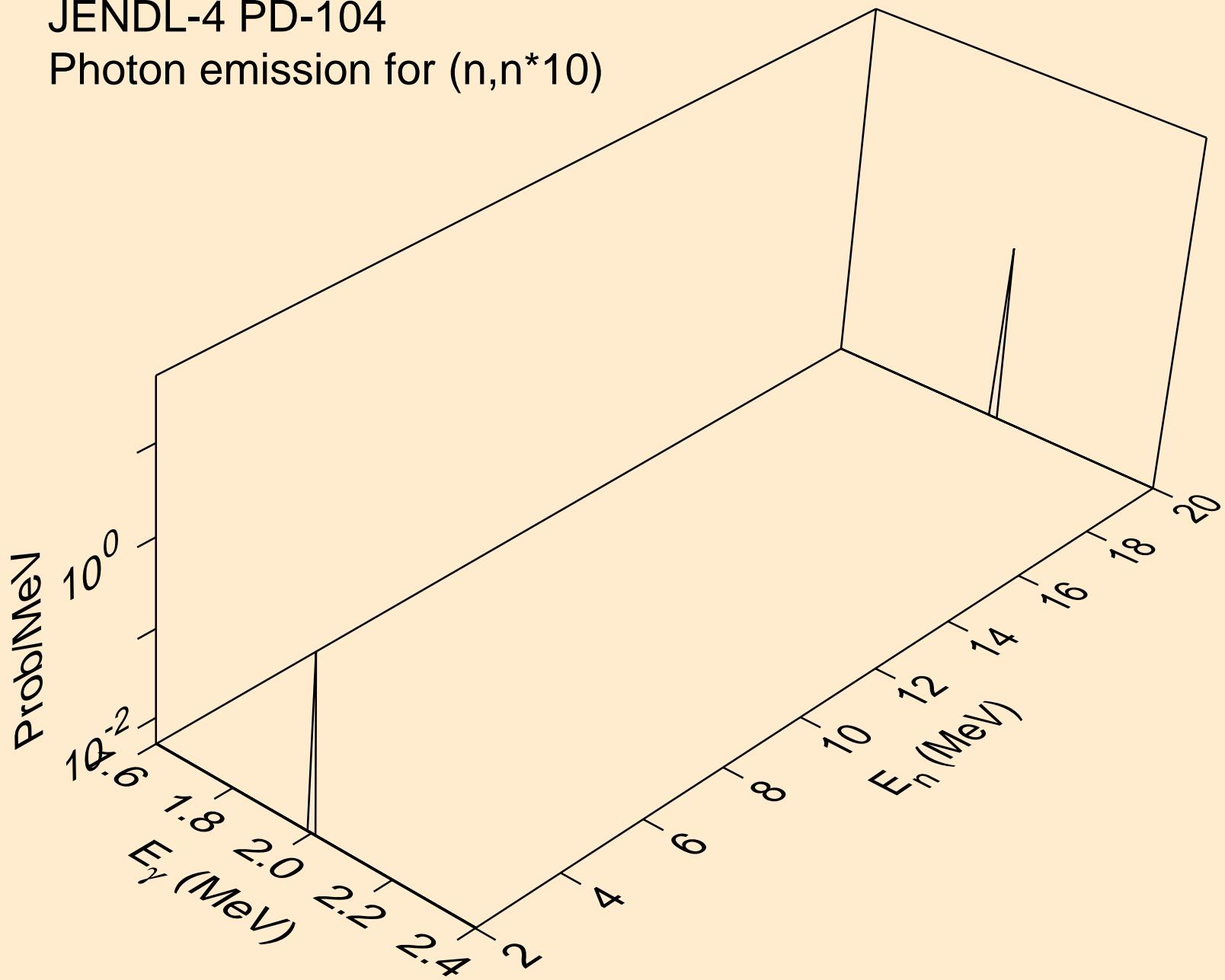
JENDL-4 PD-104  
Photon emission for (n,n\*8)



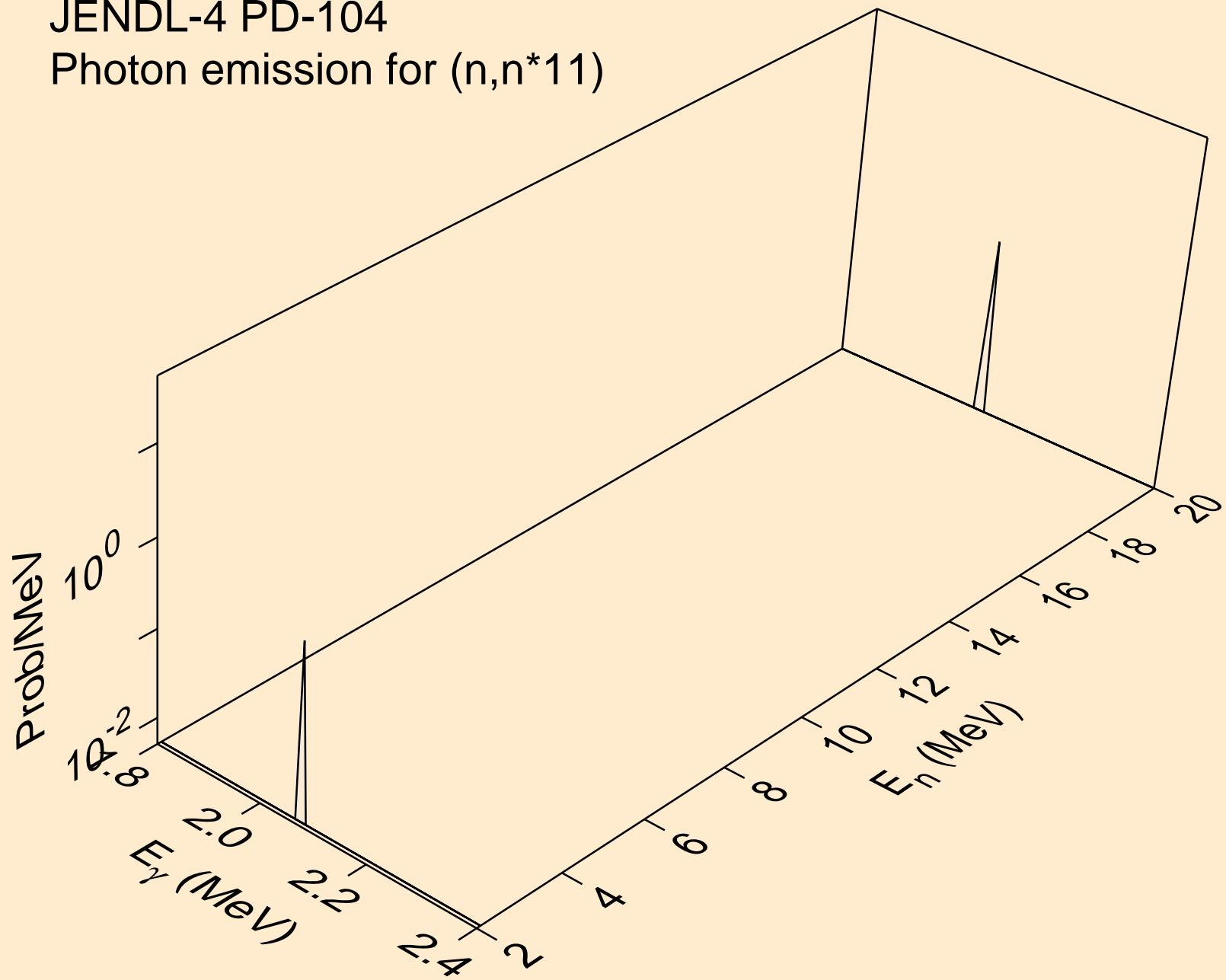
JENDL-4 PD-104  
Photon emission for (n,n\*9)



JENDL-4 PD-104  
Photon emission for (n,n\*10)

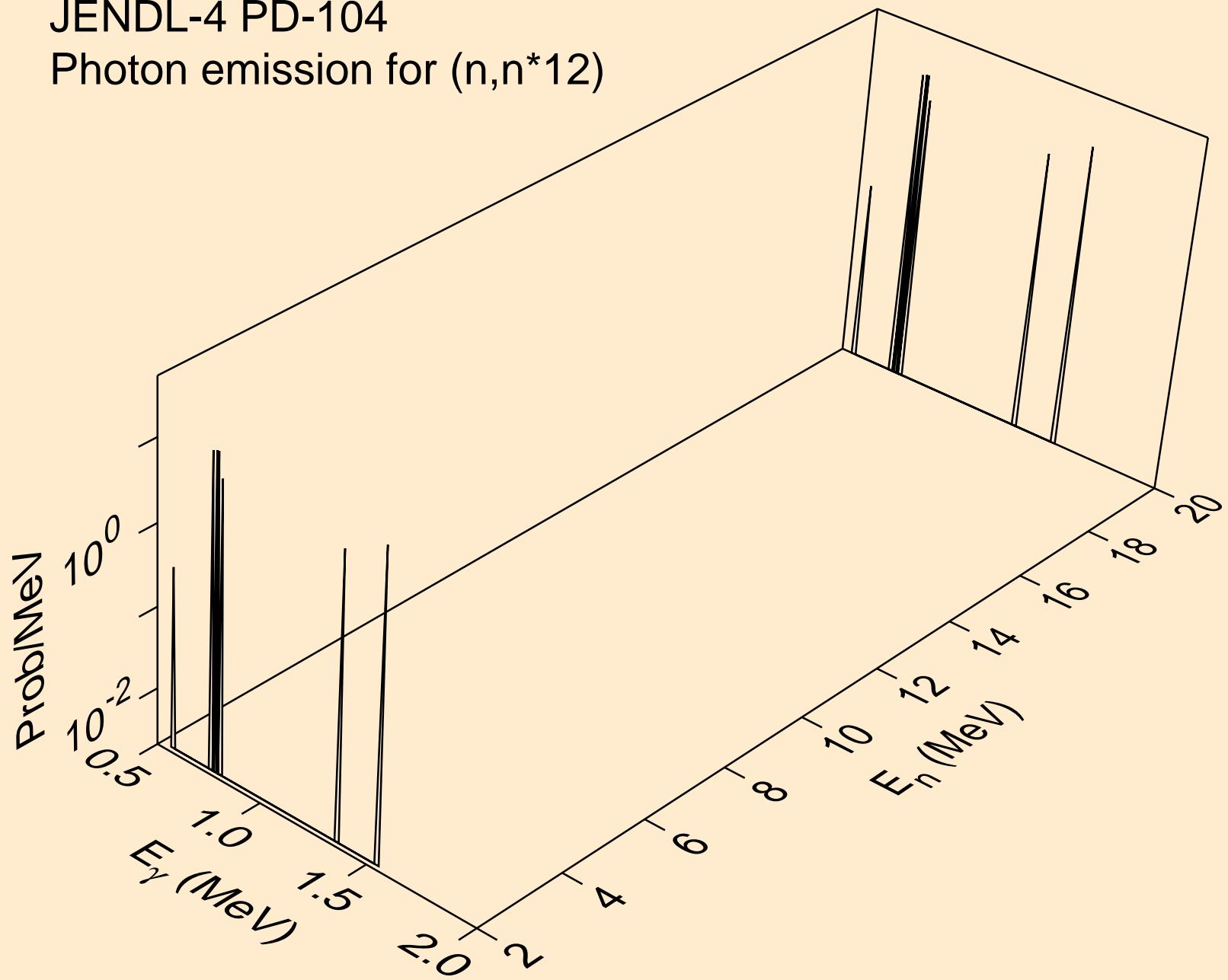


JENDL-4 PD-104  
Photon emission for (n,n\*11)



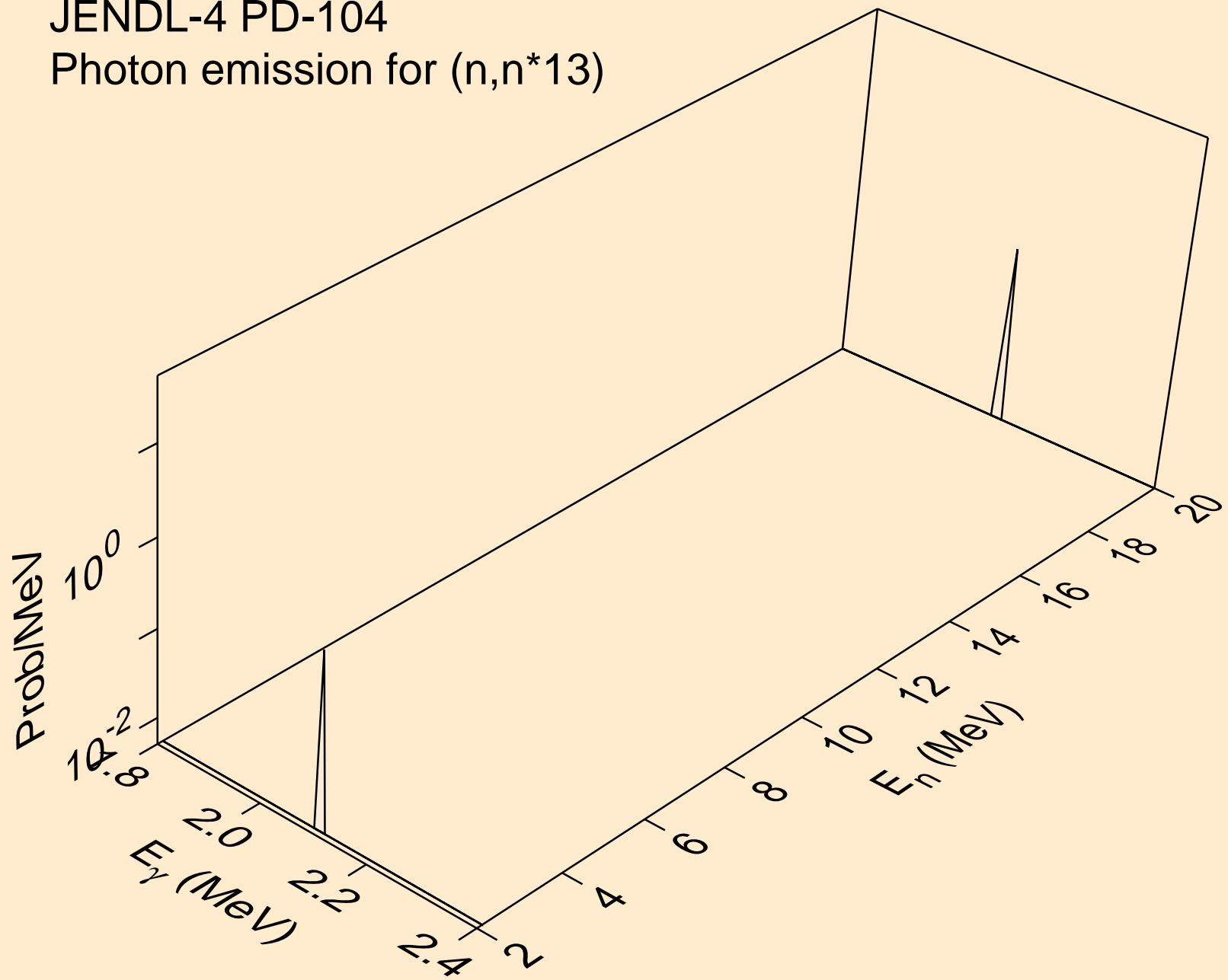
JENDL-4 PD-104

Photon emission for  $(n,n^*12)$

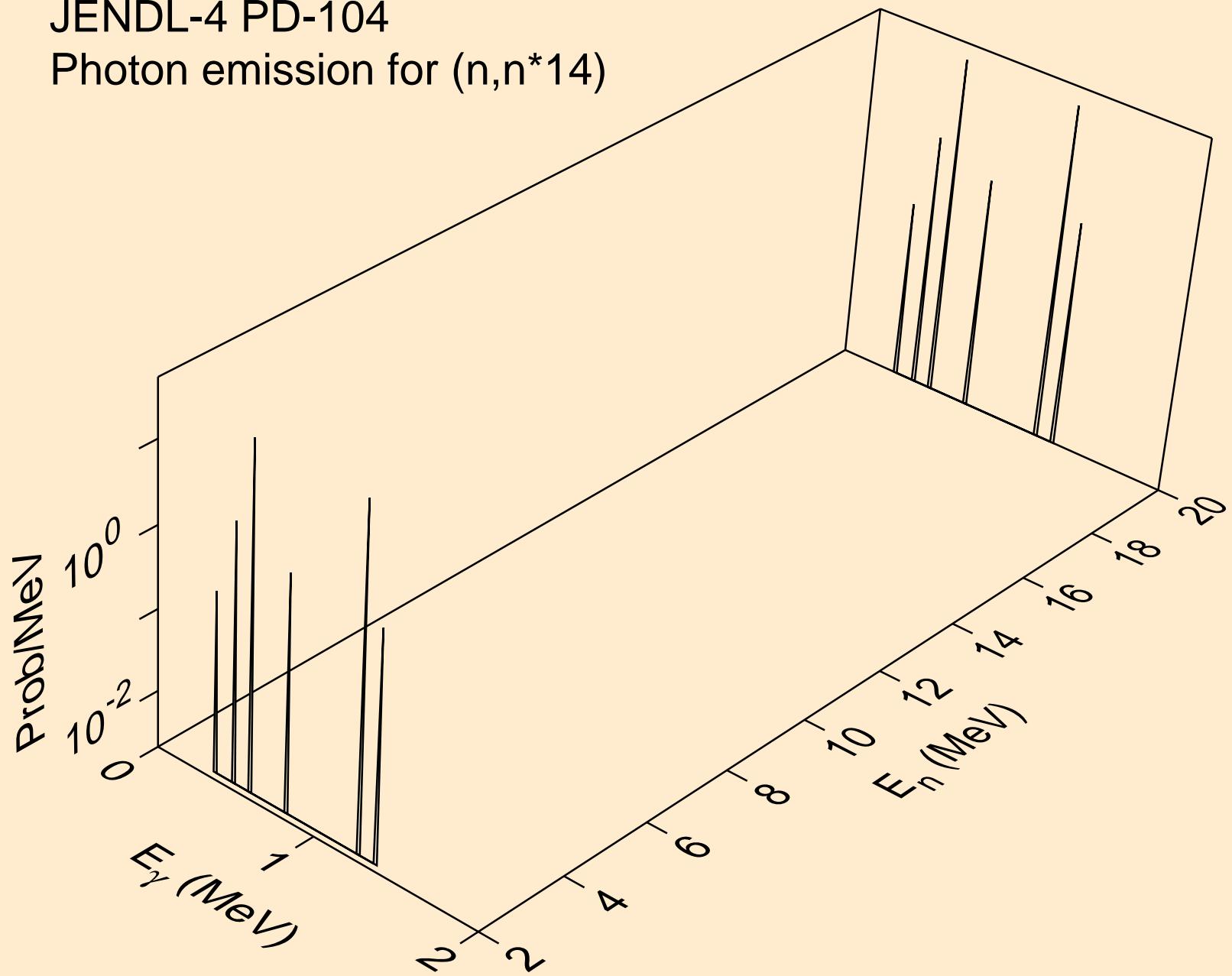


JENDL-4 PD-104

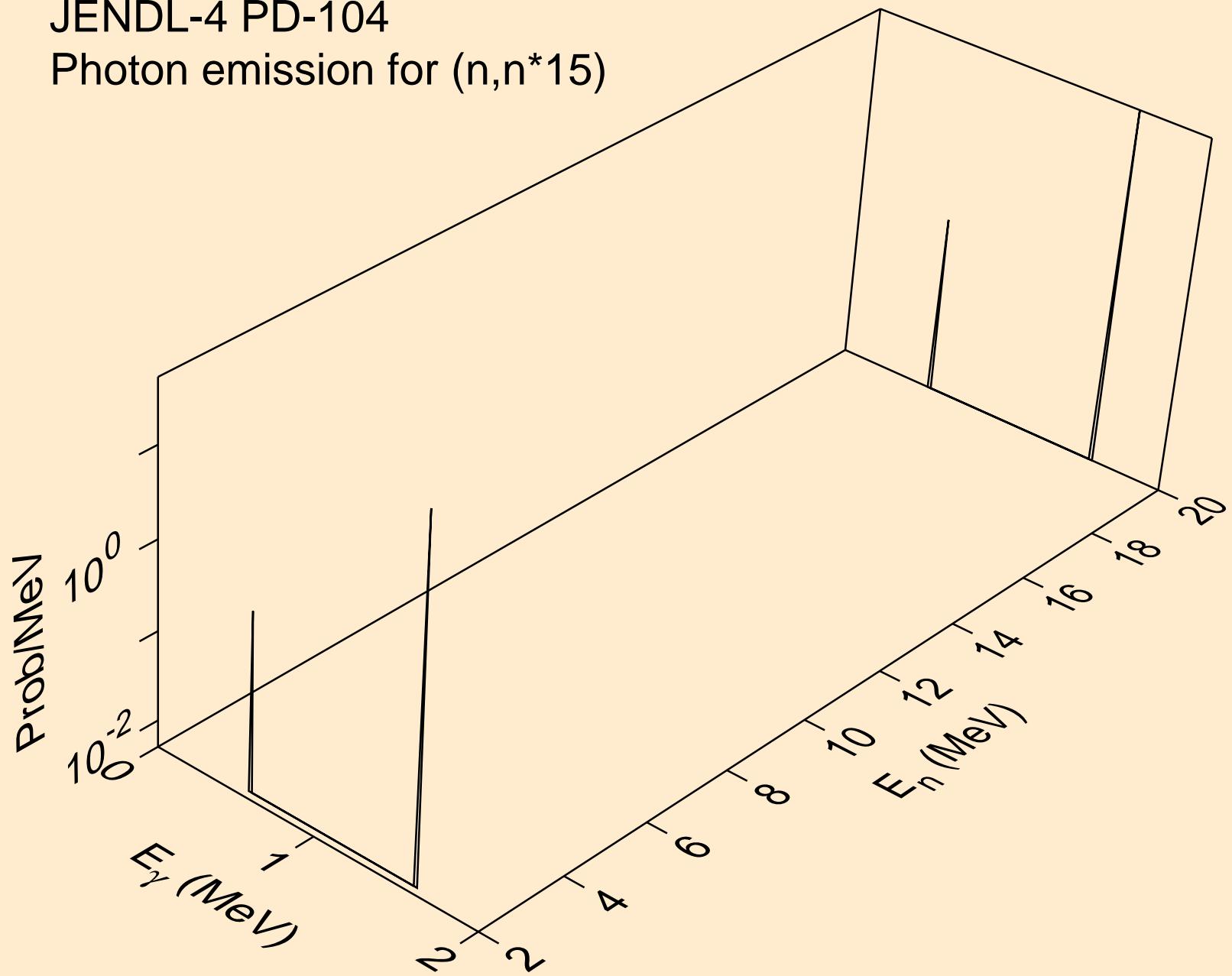
Photon emission for  $(n,n^*13)$



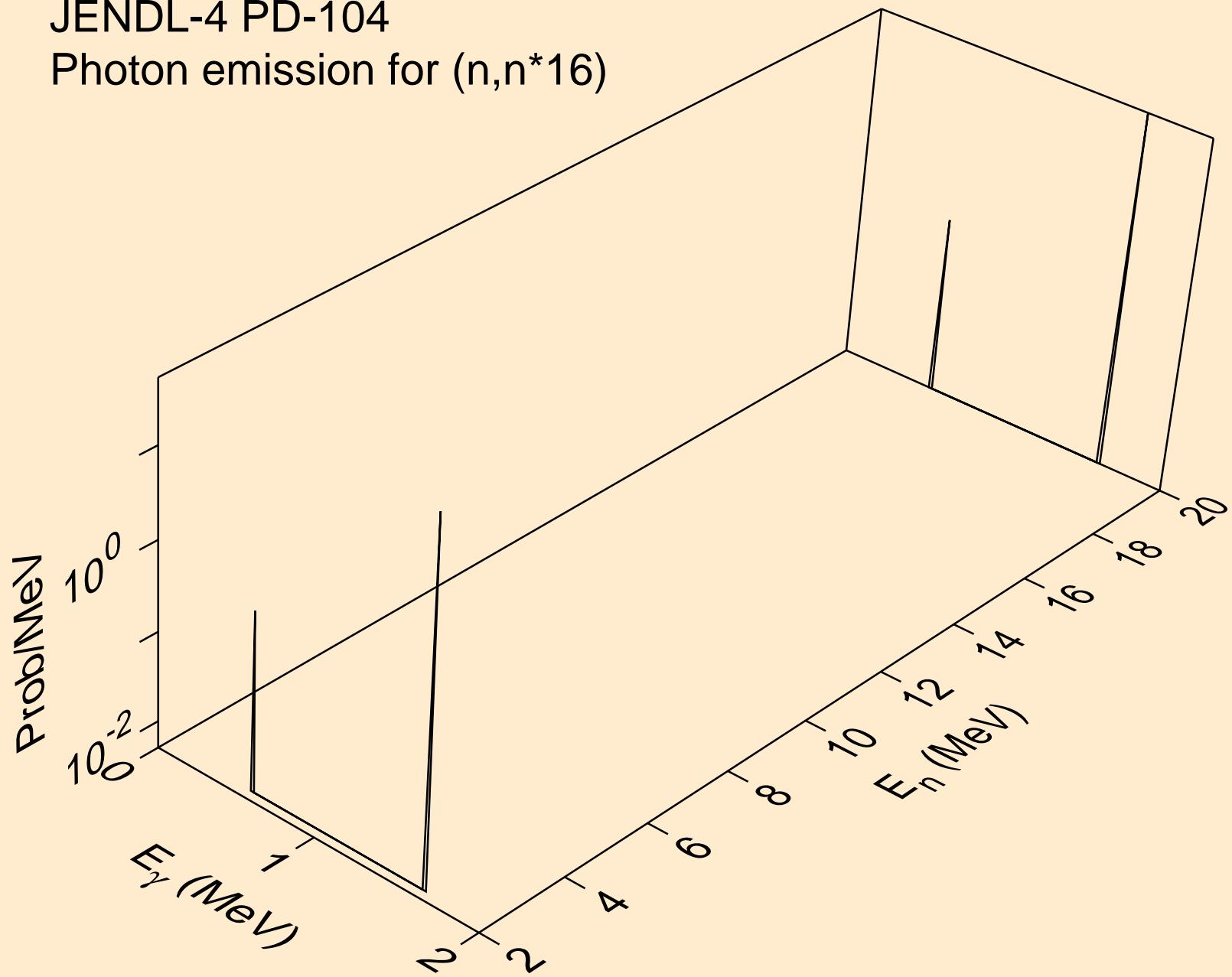
JENDL-4 PD-104  
Photon emission for ( $n, n^* 14$ )



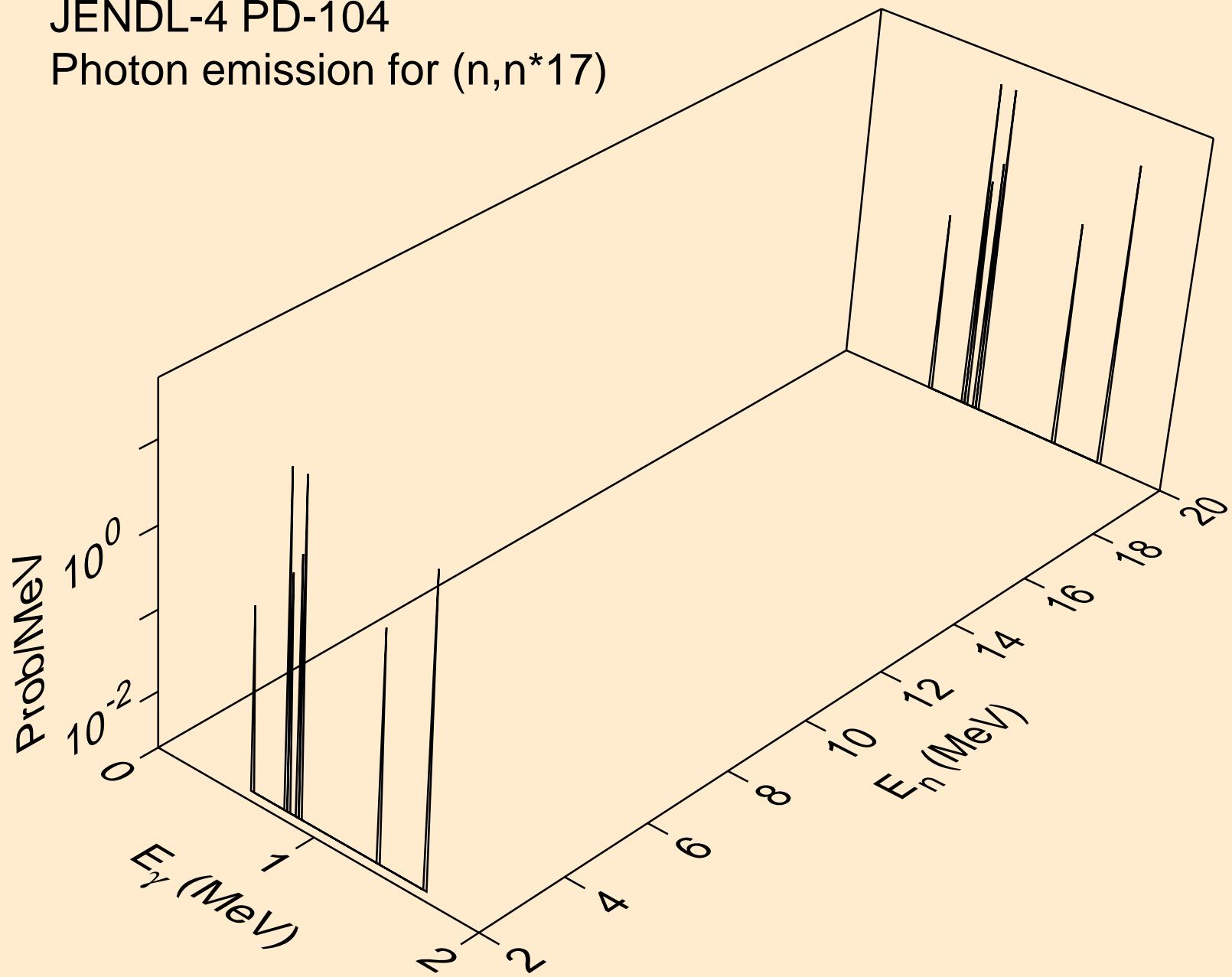
JENDL-4 PD-104  
Photon emission for ( $n, n^* 15$ )



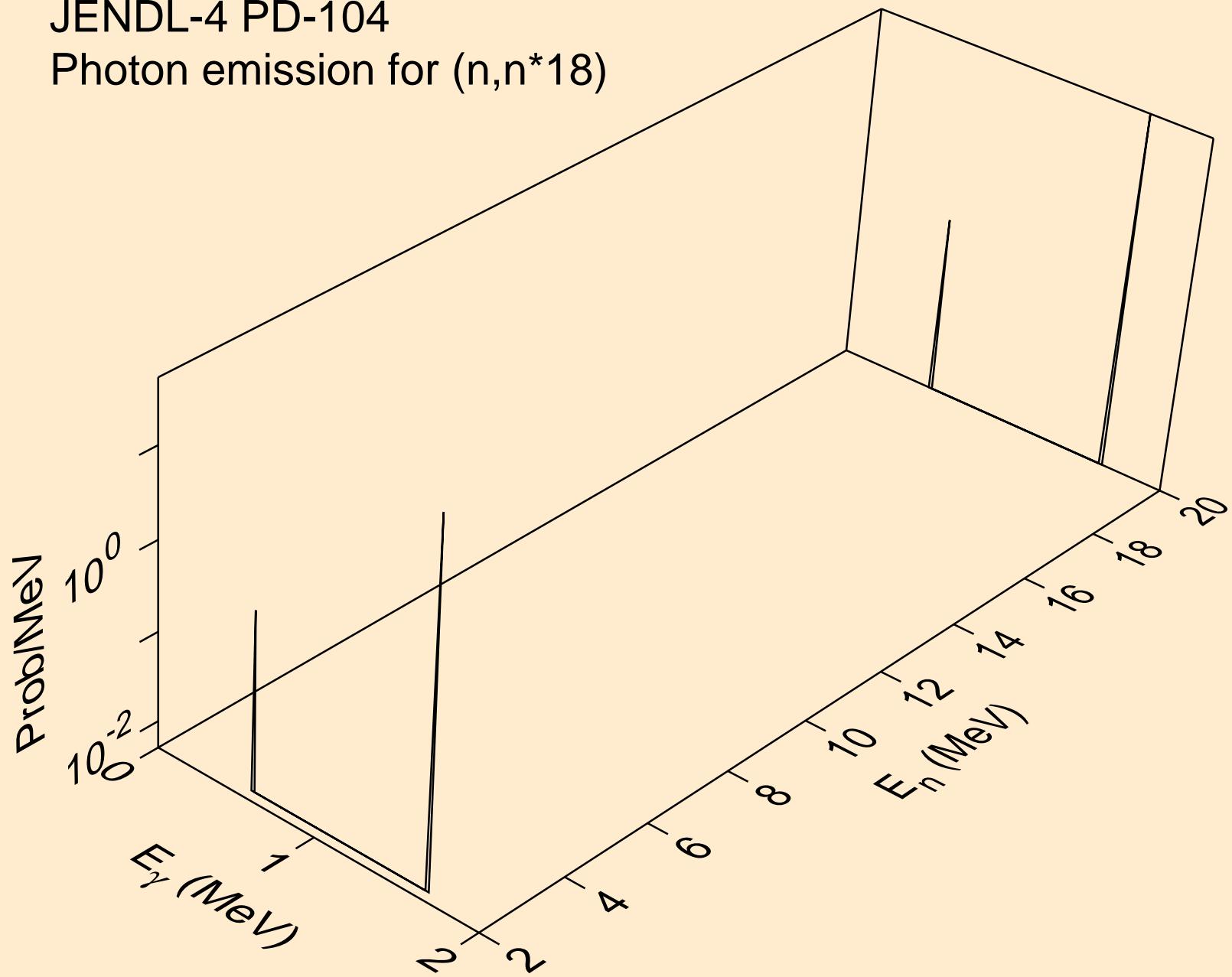
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Photon emission for (n,n\*16)



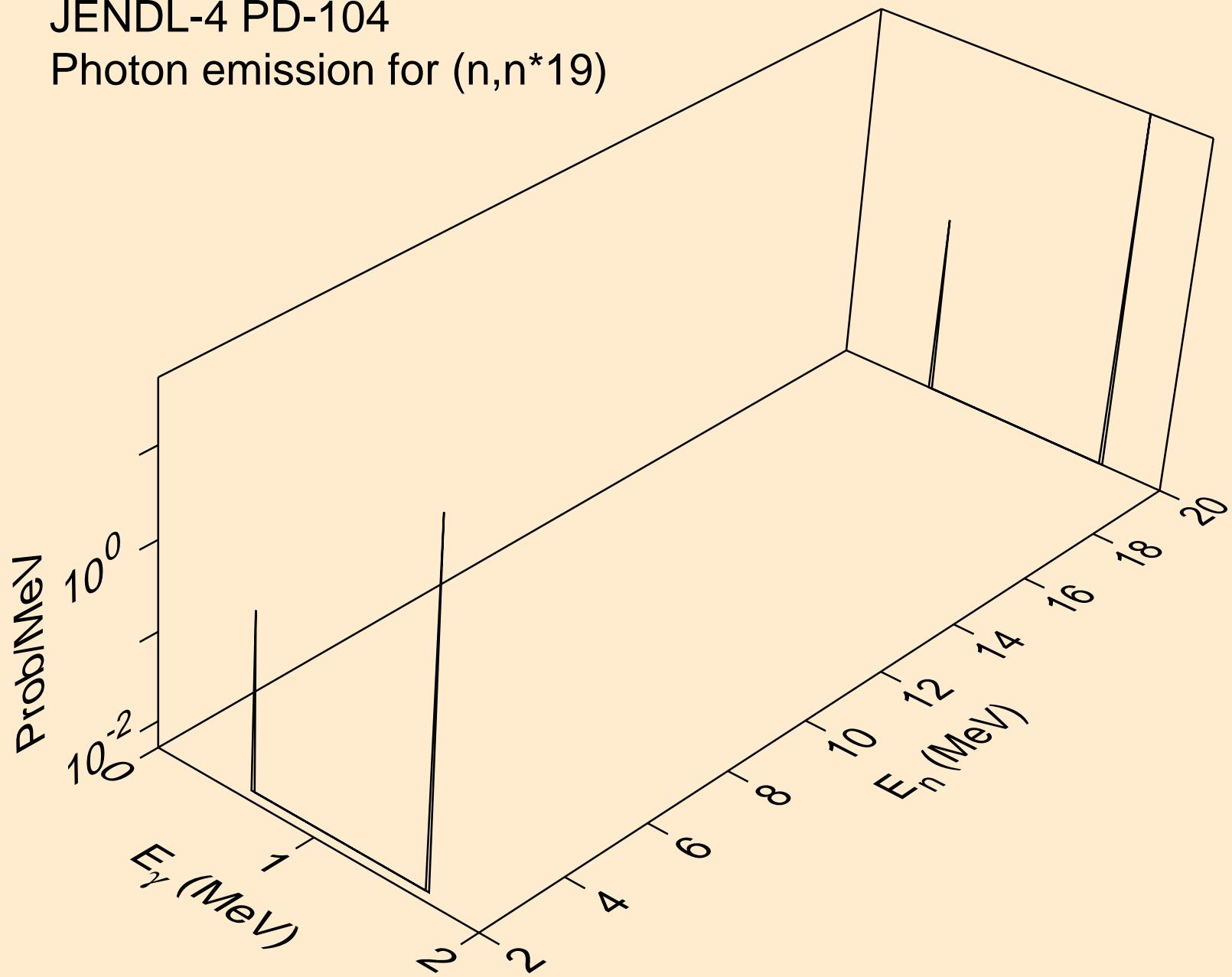
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Photon emission for  $(n,n^*17)$



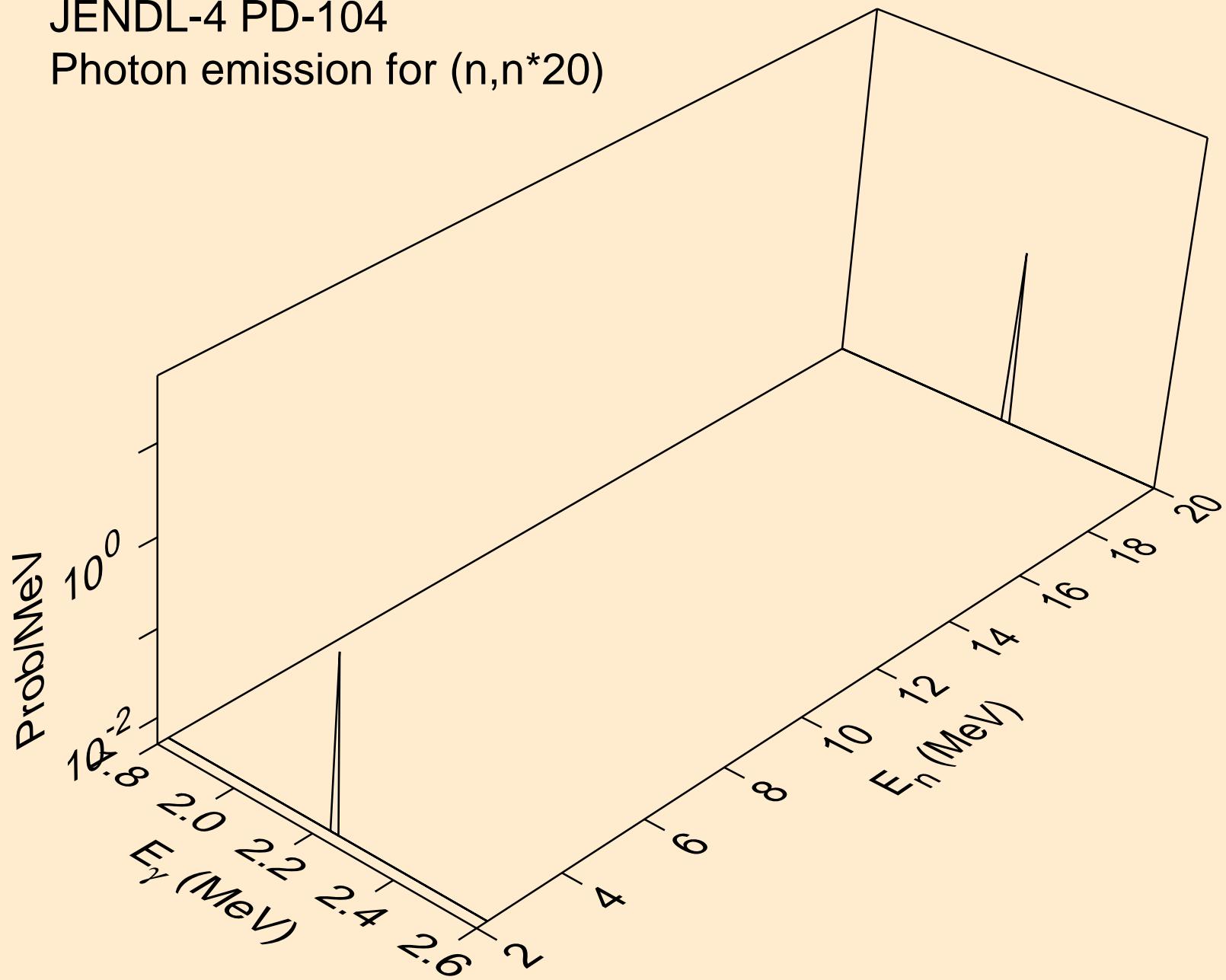
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Photon emission for (n,n\*18)



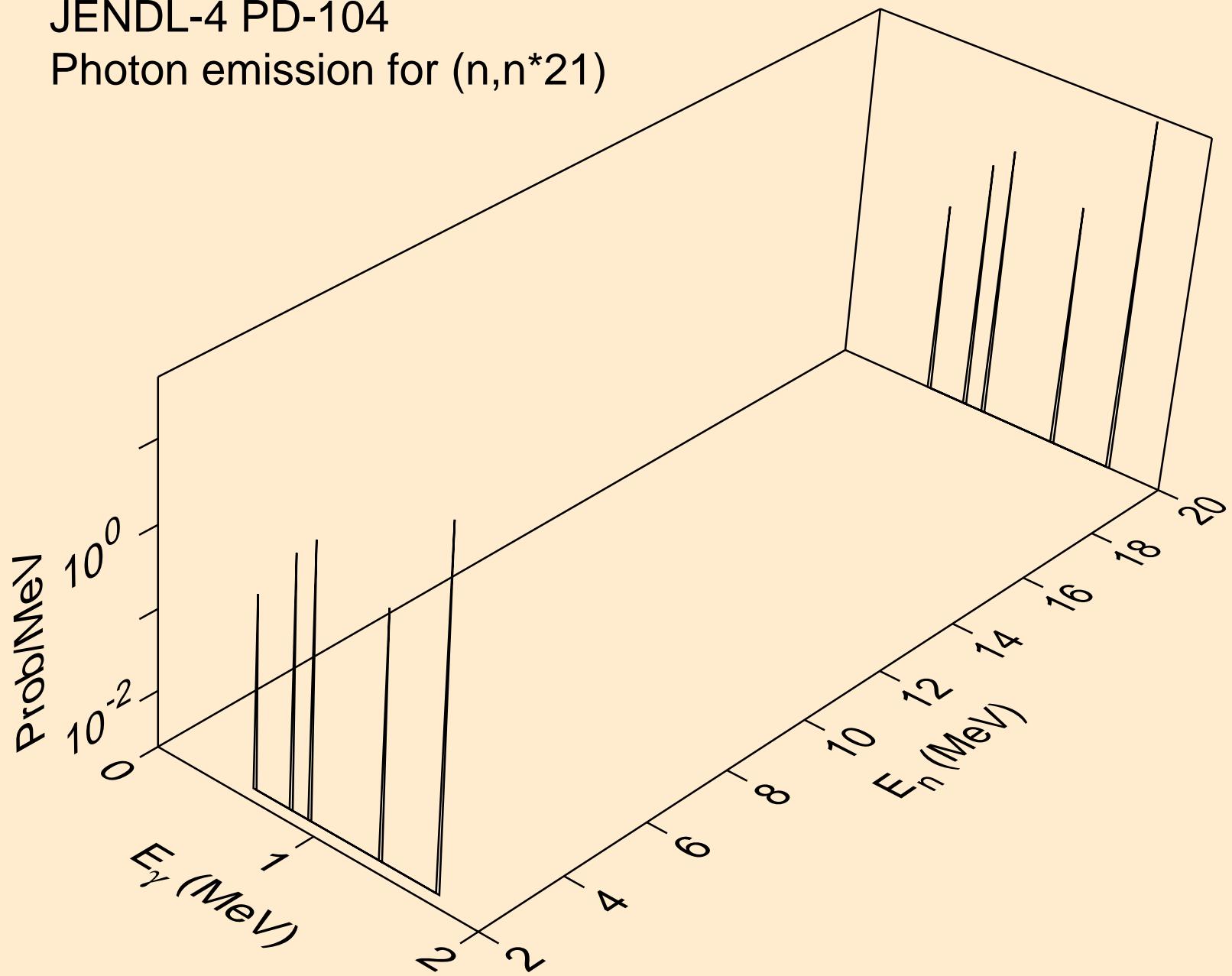
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Photon emission for (n,n\*19)



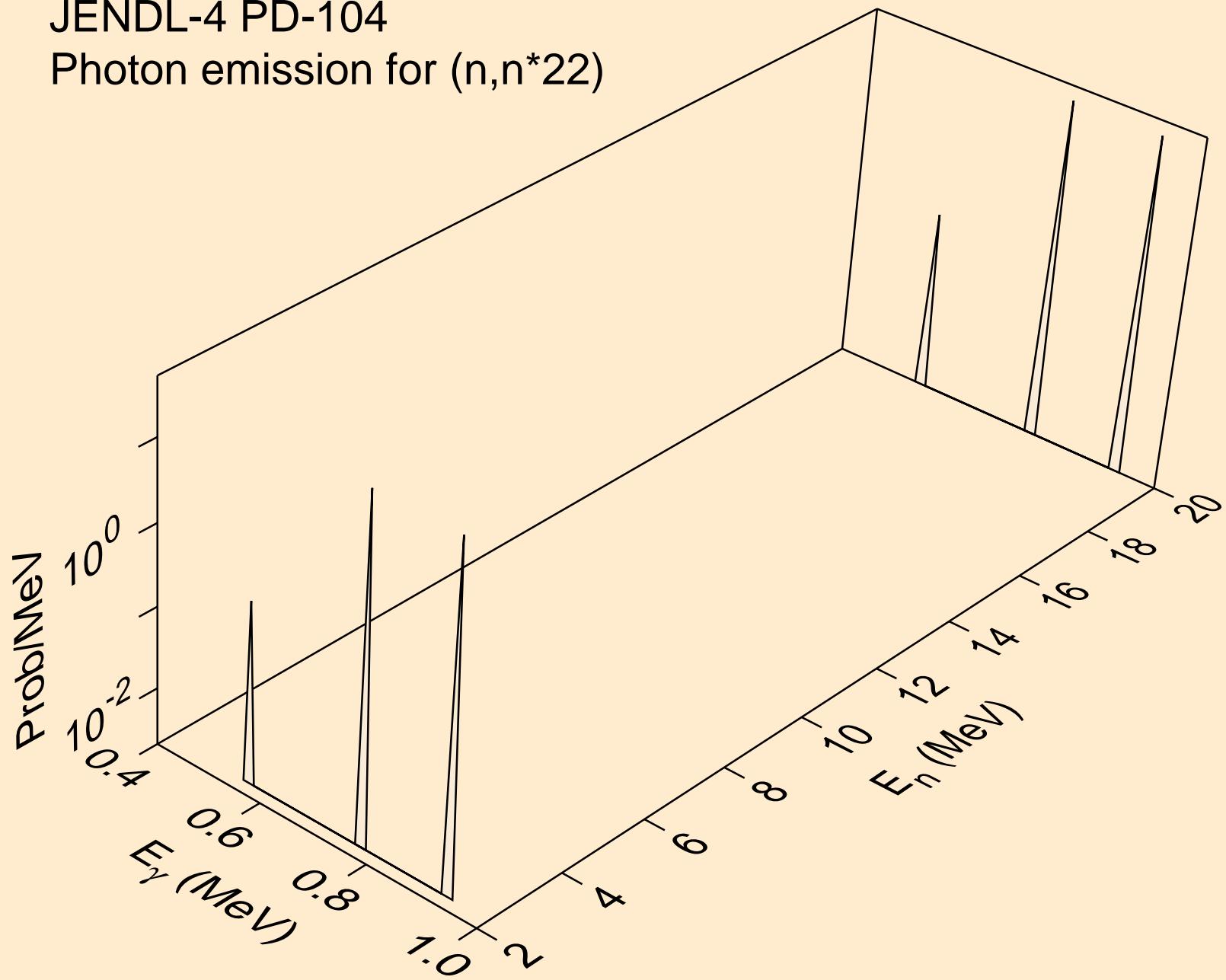
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Photon emission for ( $n, n^* 20$ )



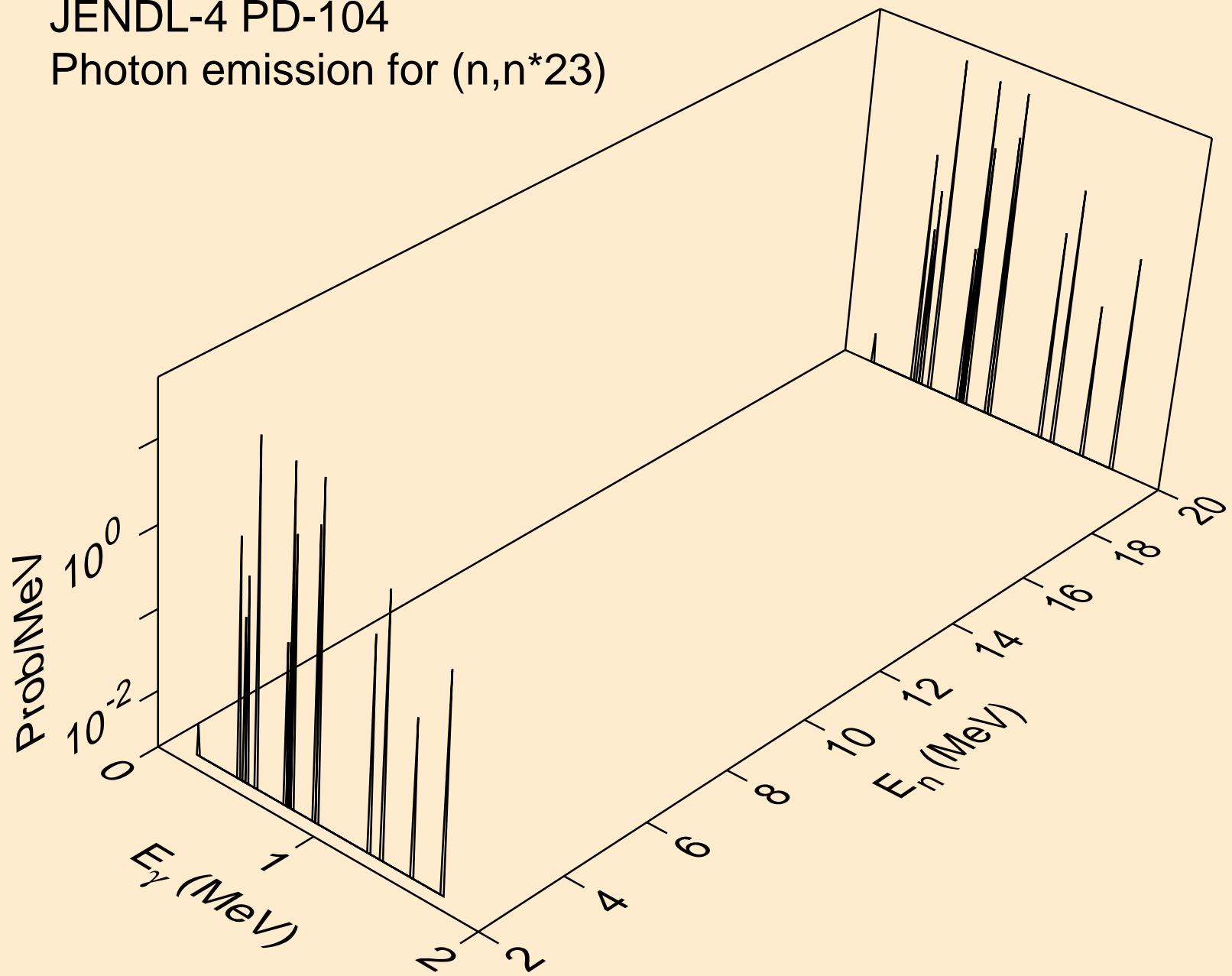
JENDL-4 PD-104  
Photon emission for ( $n, n^* 21$ )



JENDL-4 PD-104  
Photon emission for ( $n, n^*$ )<sup>22</sup>

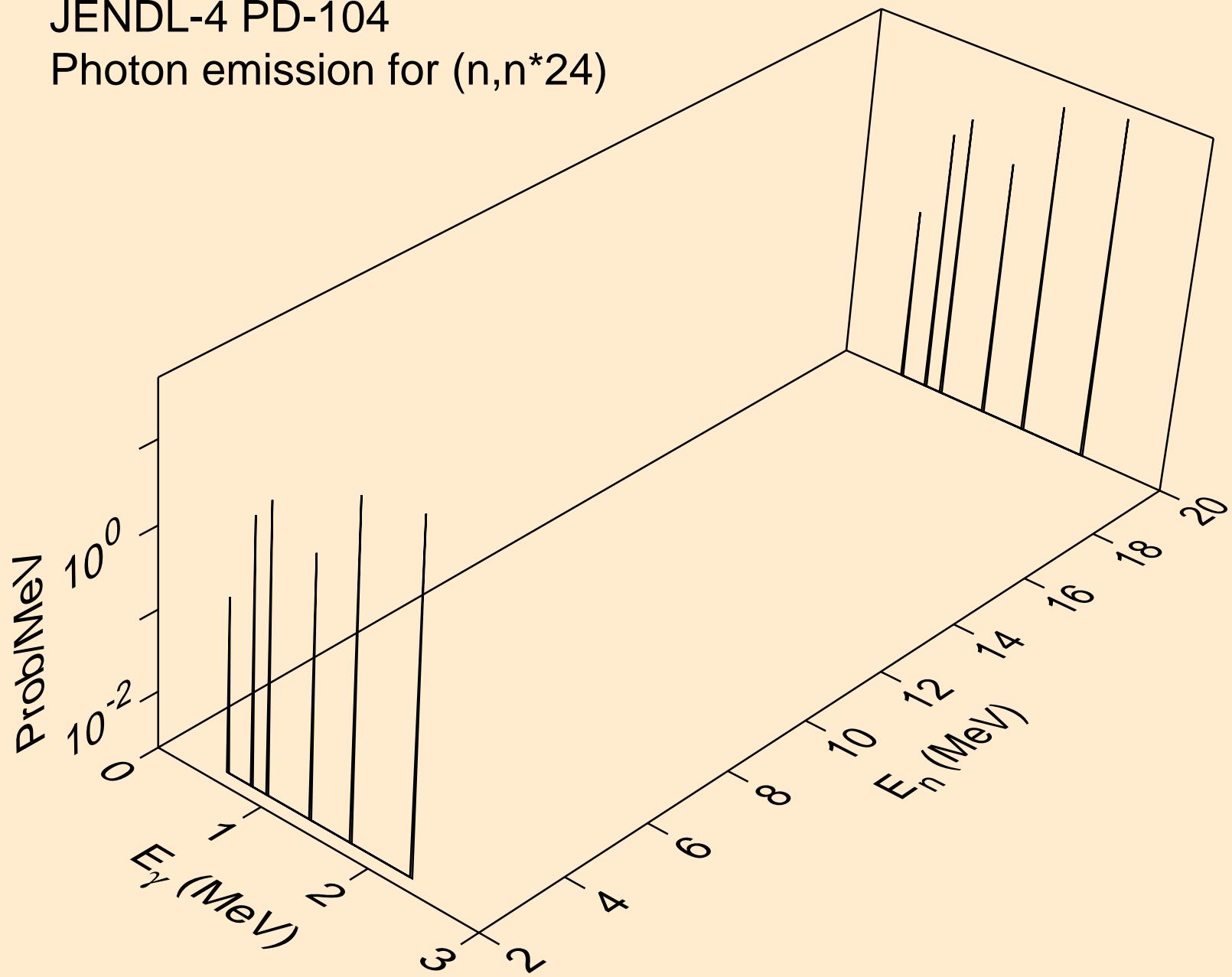


JENDL-4 PD-104  
Photon emission for ( $n, n^*$ )23

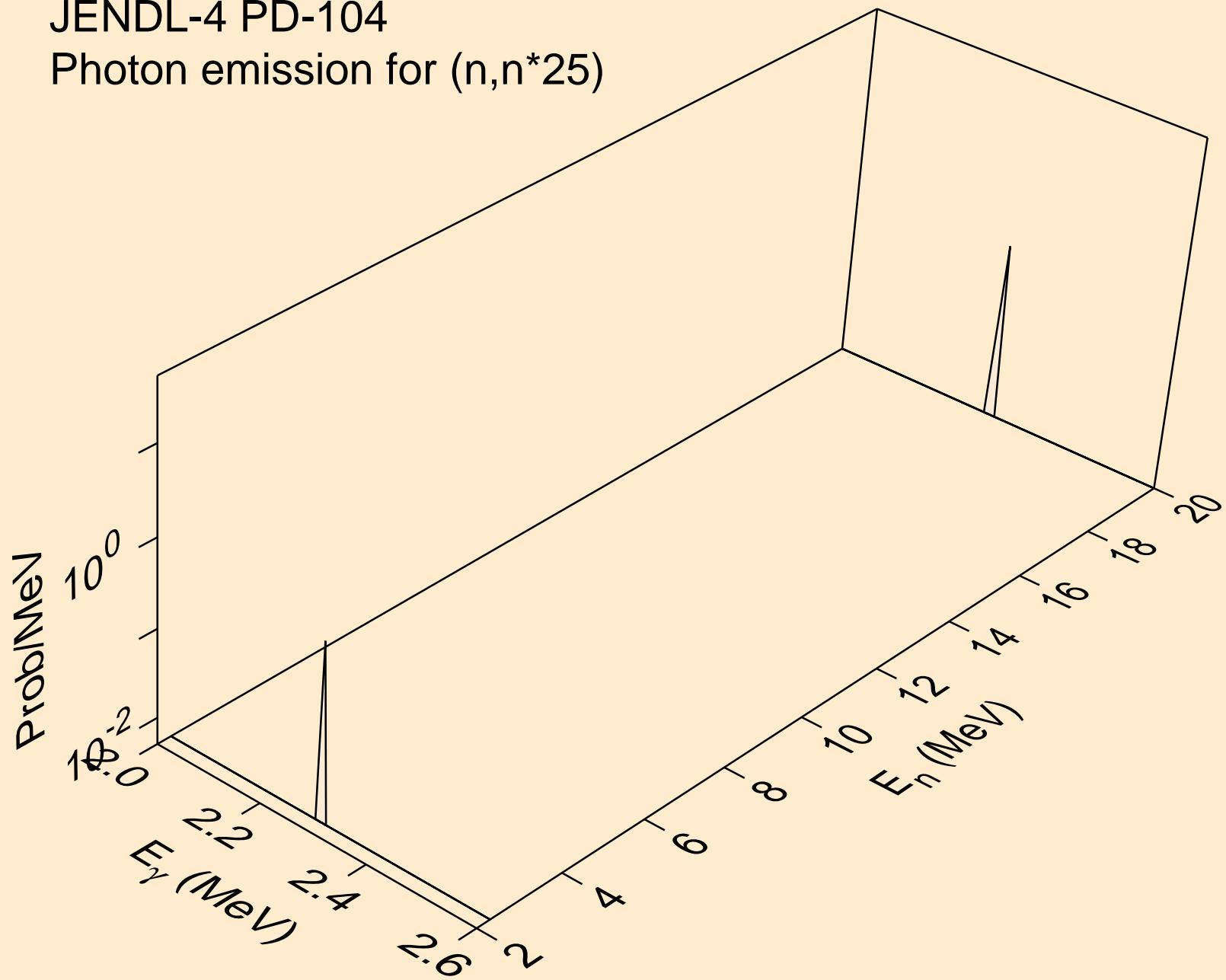


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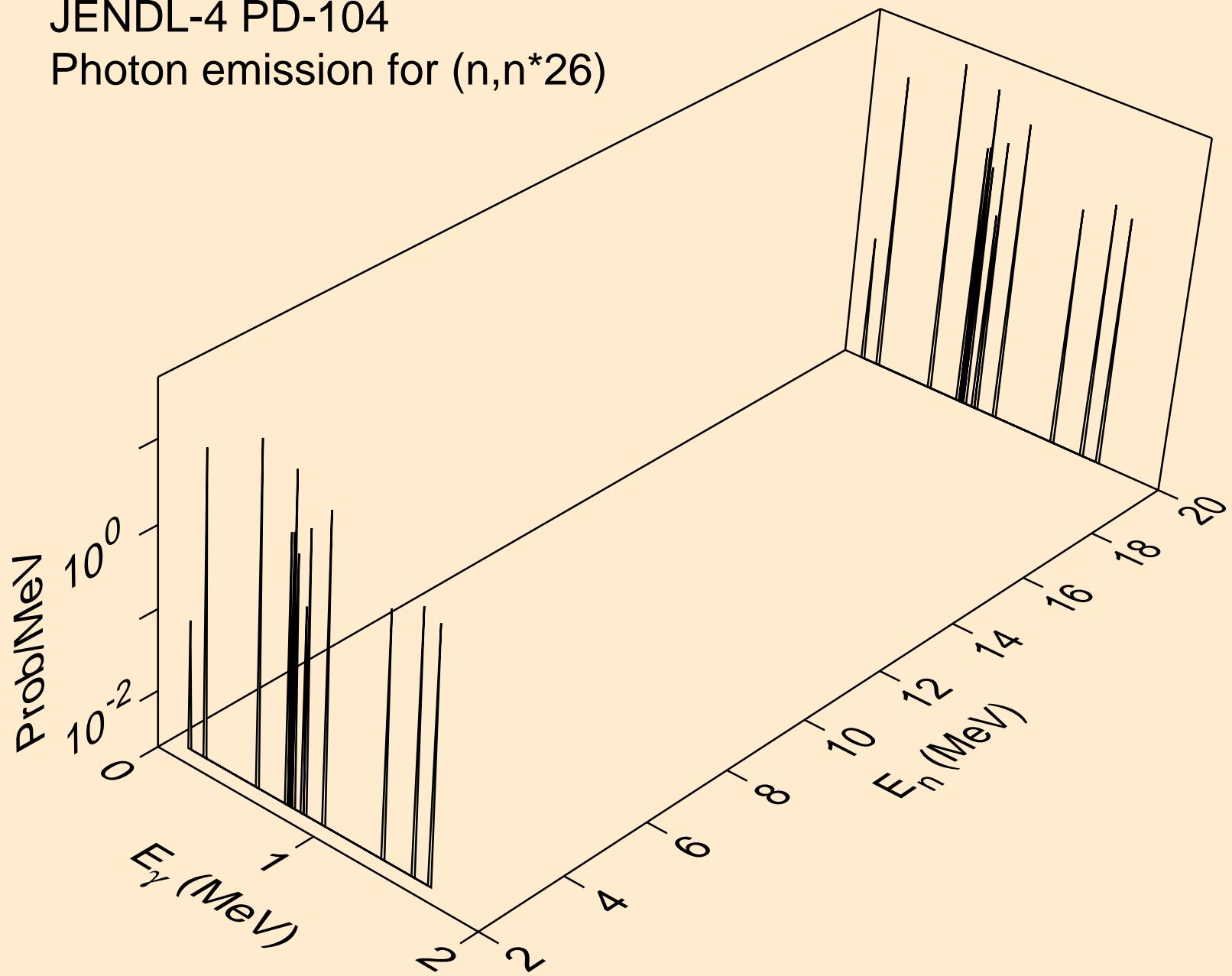
Photon emission for  $(n,n^*24)$



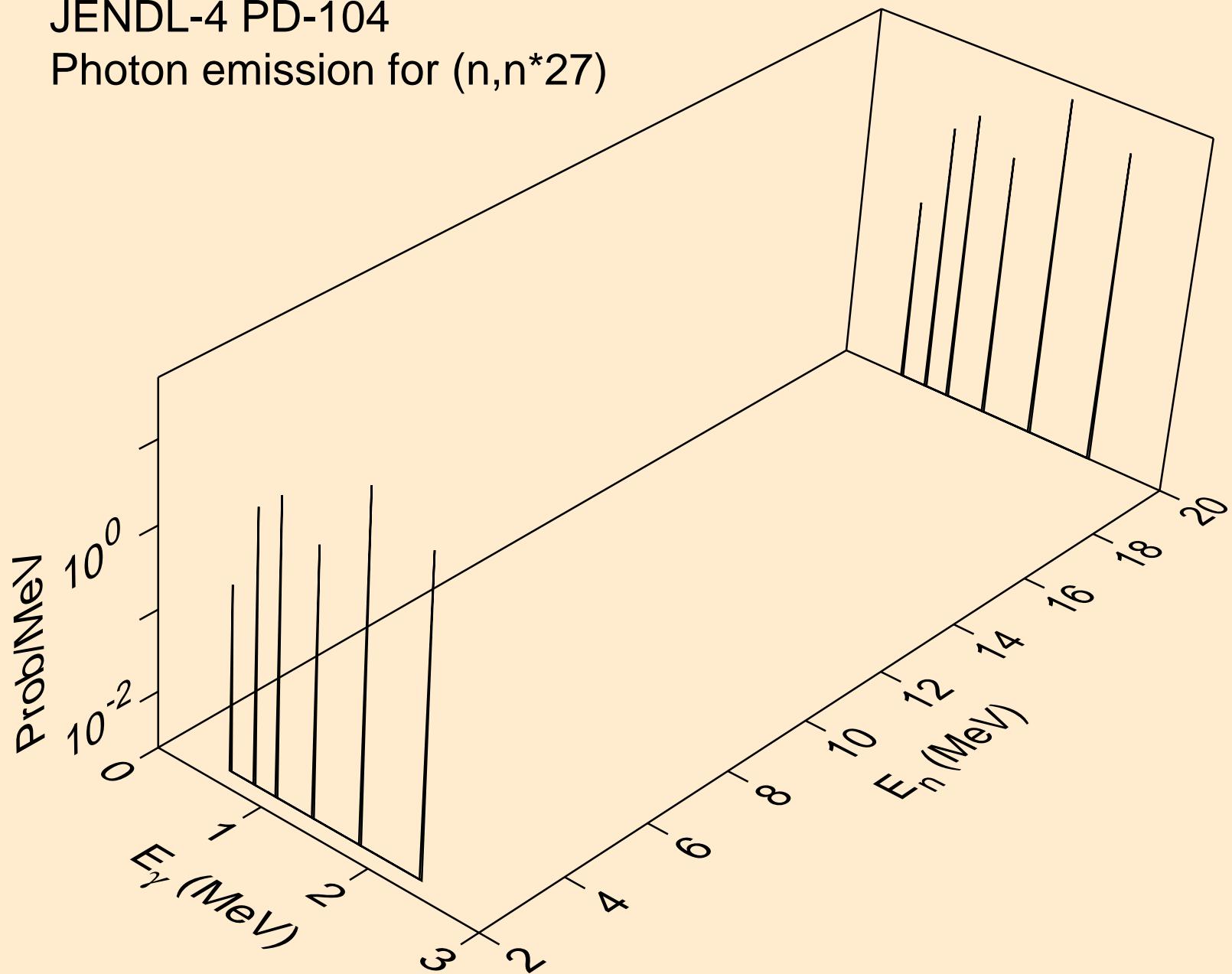
JENDL-4 PD-104  
Photon emission for ( $n, n^*$ )25



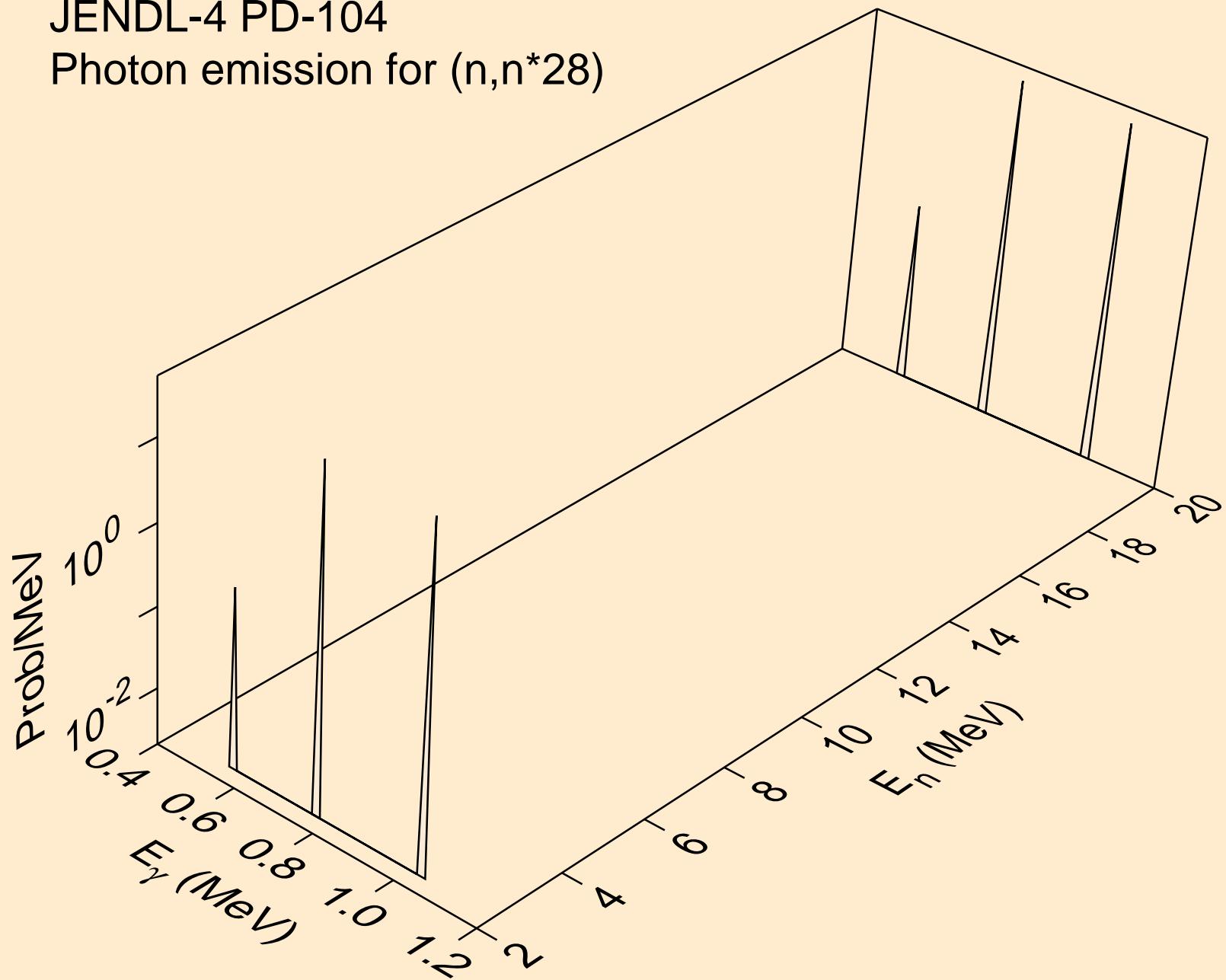
JENDL-4 PD-104  
Photon emission for ( $n, n^*$ )26



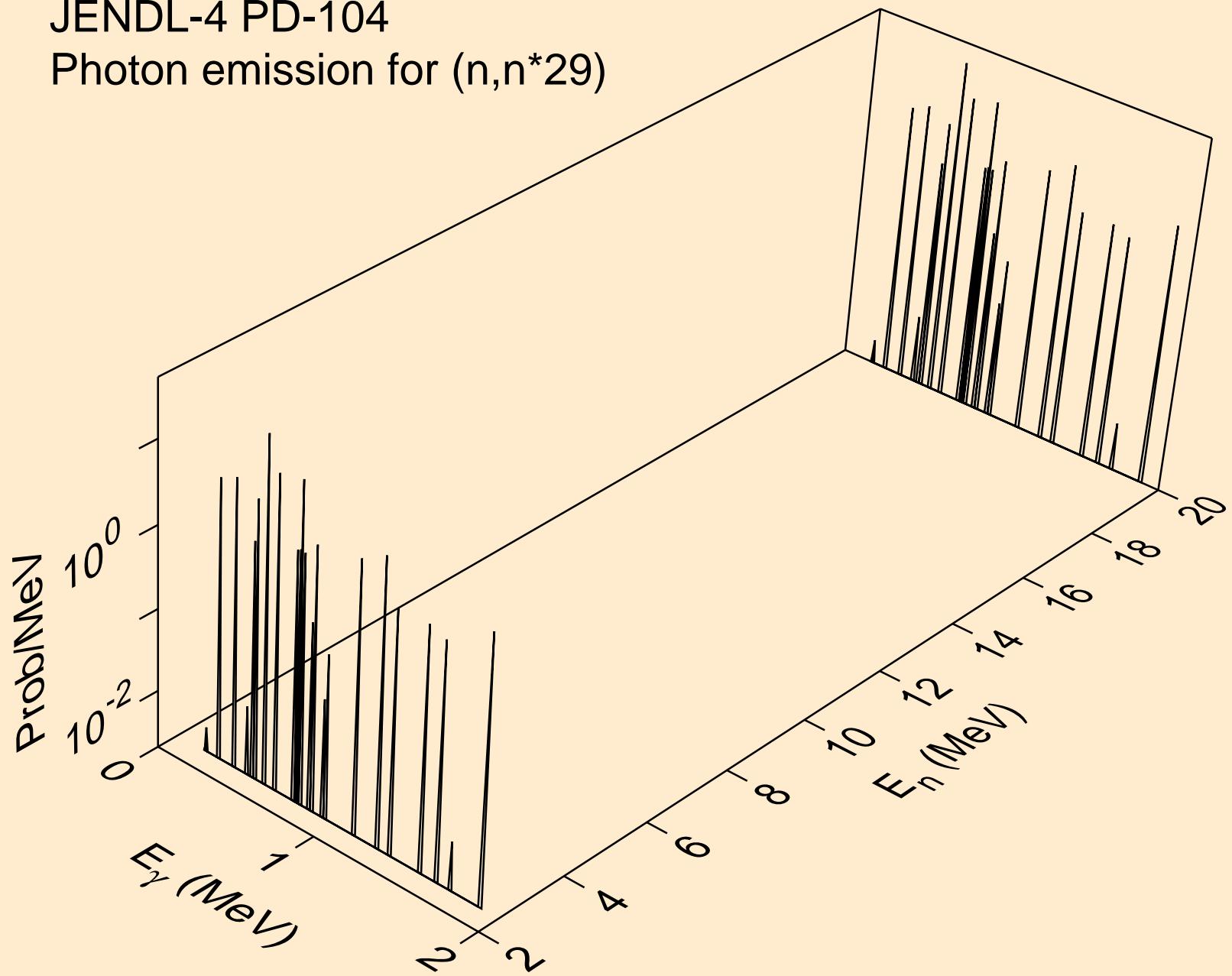
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Photon emission for ( $n, n^*$ )<sup>27</sup>



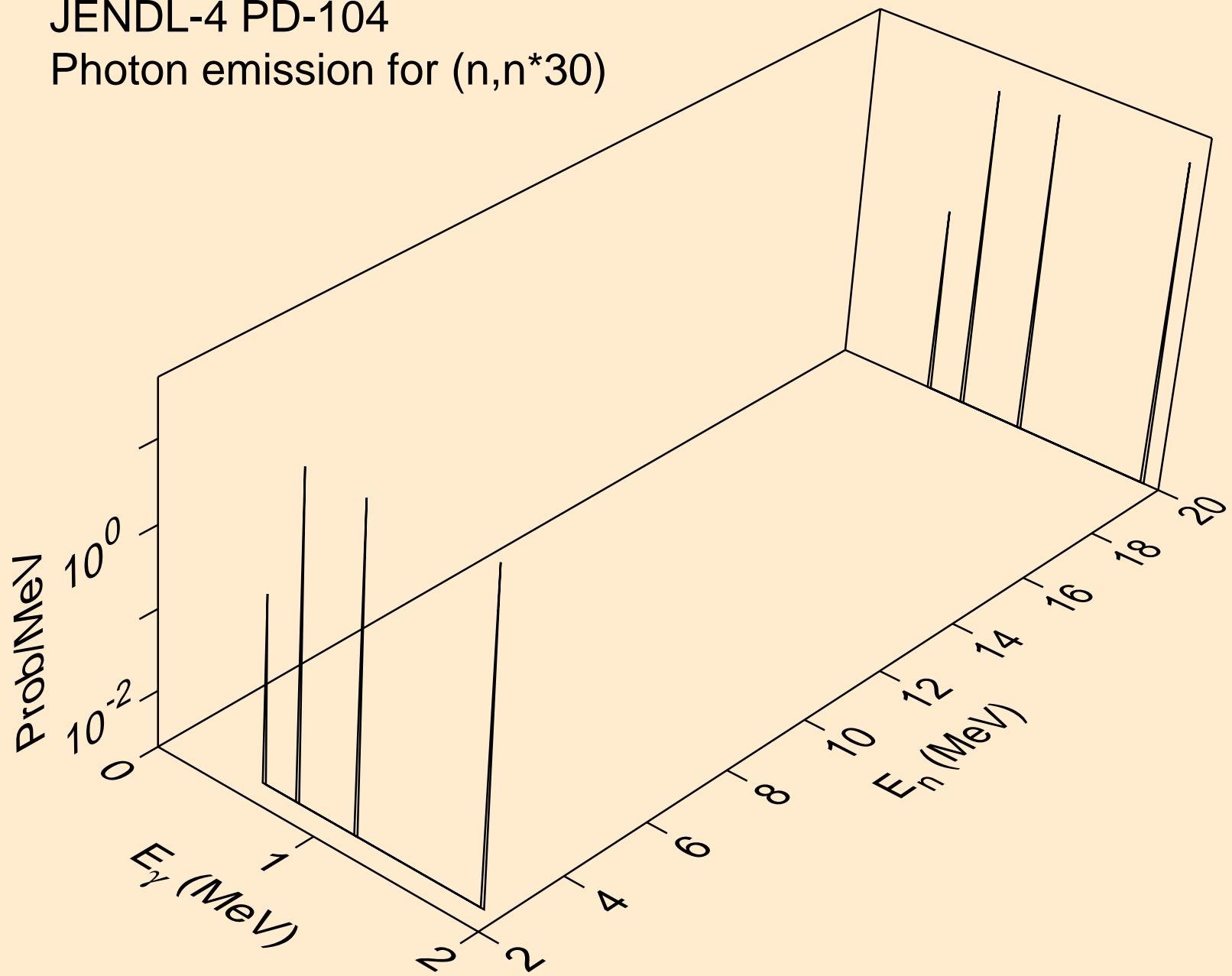
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Photon emission for ( $n, n^*$ )<sup>28</sup>



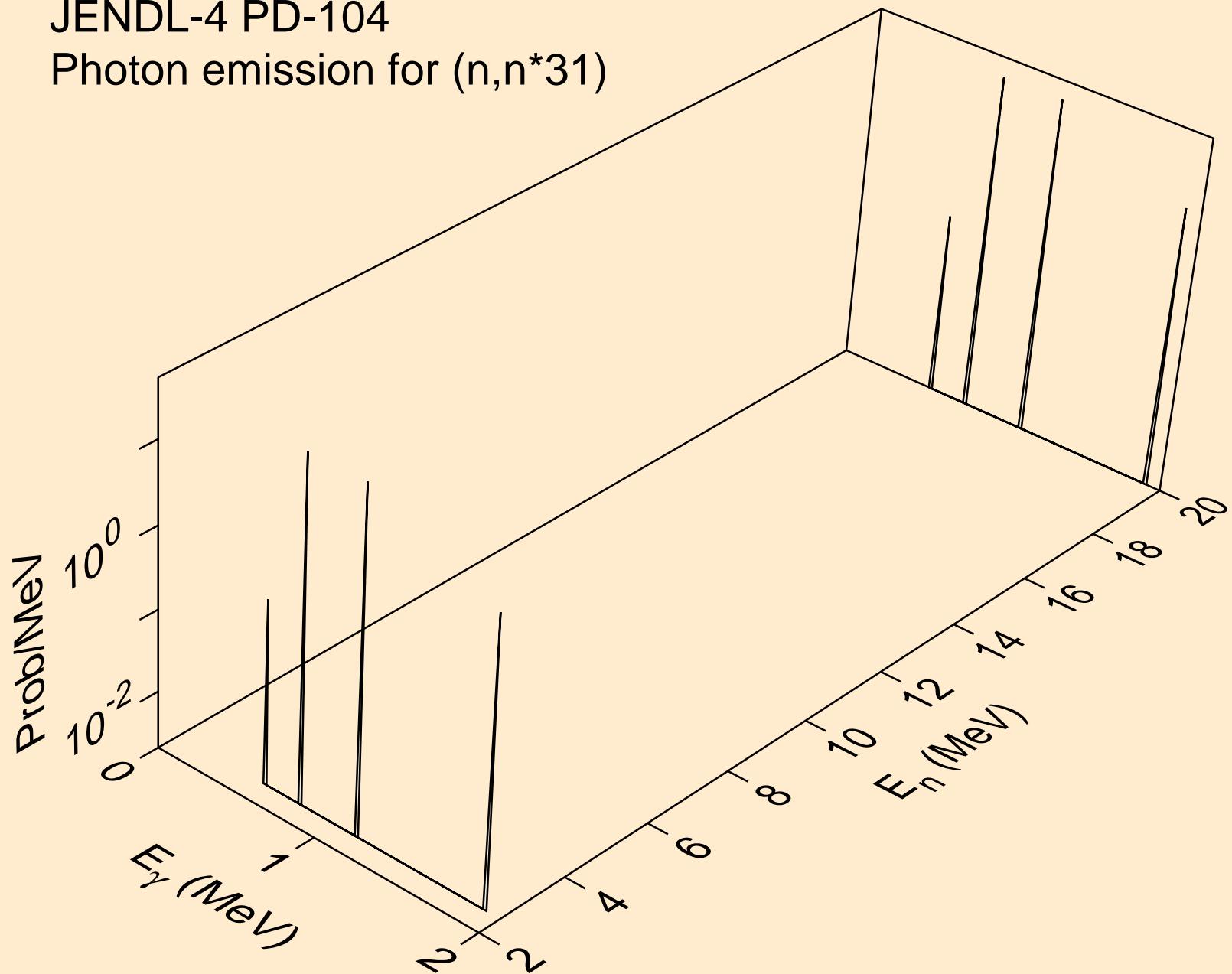
JENDL-4 PD-104  
Photon emission for ( $n, n^* 29$ )



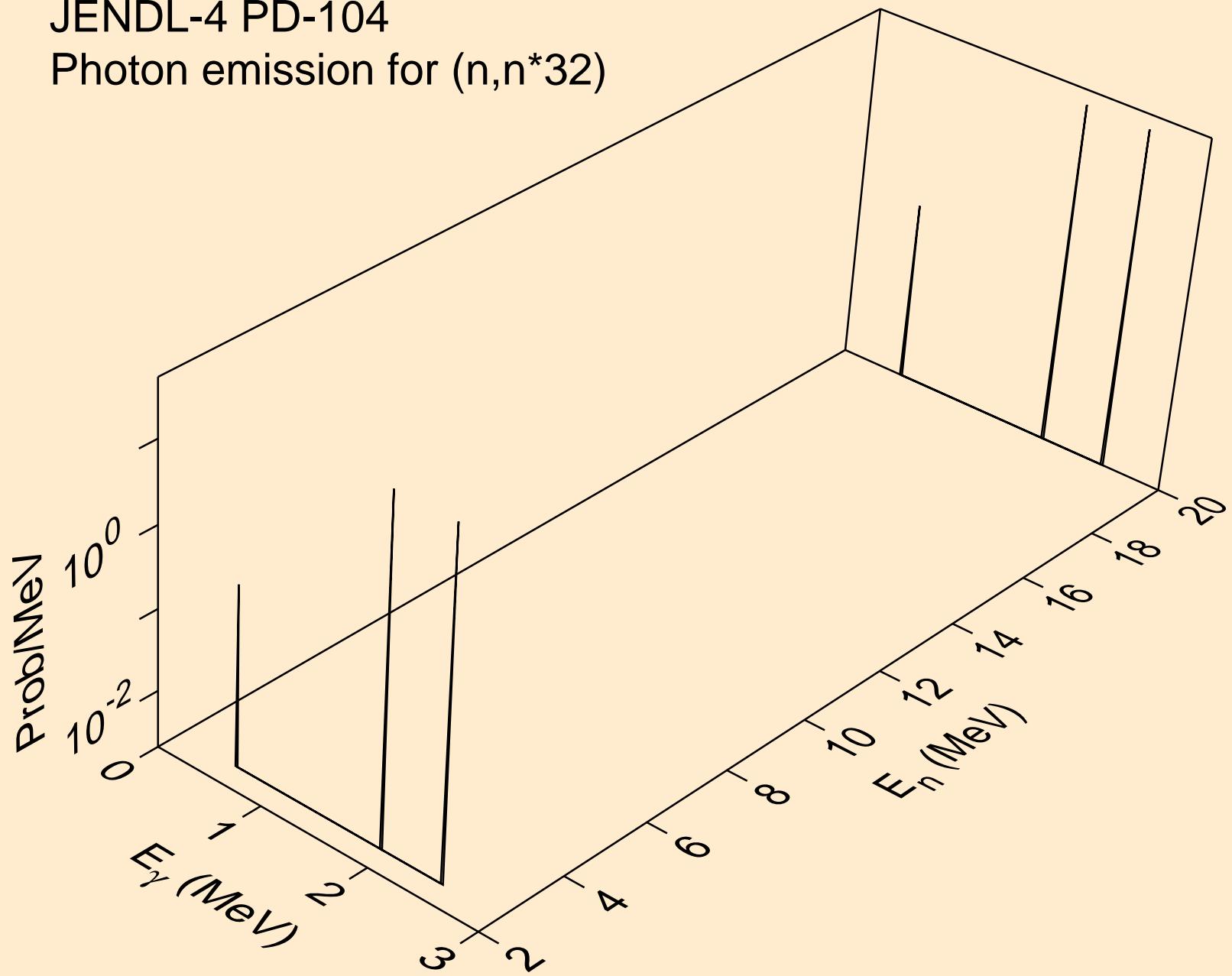
JENDL-4 PD-104  
Photon emission for (n,n\*30)



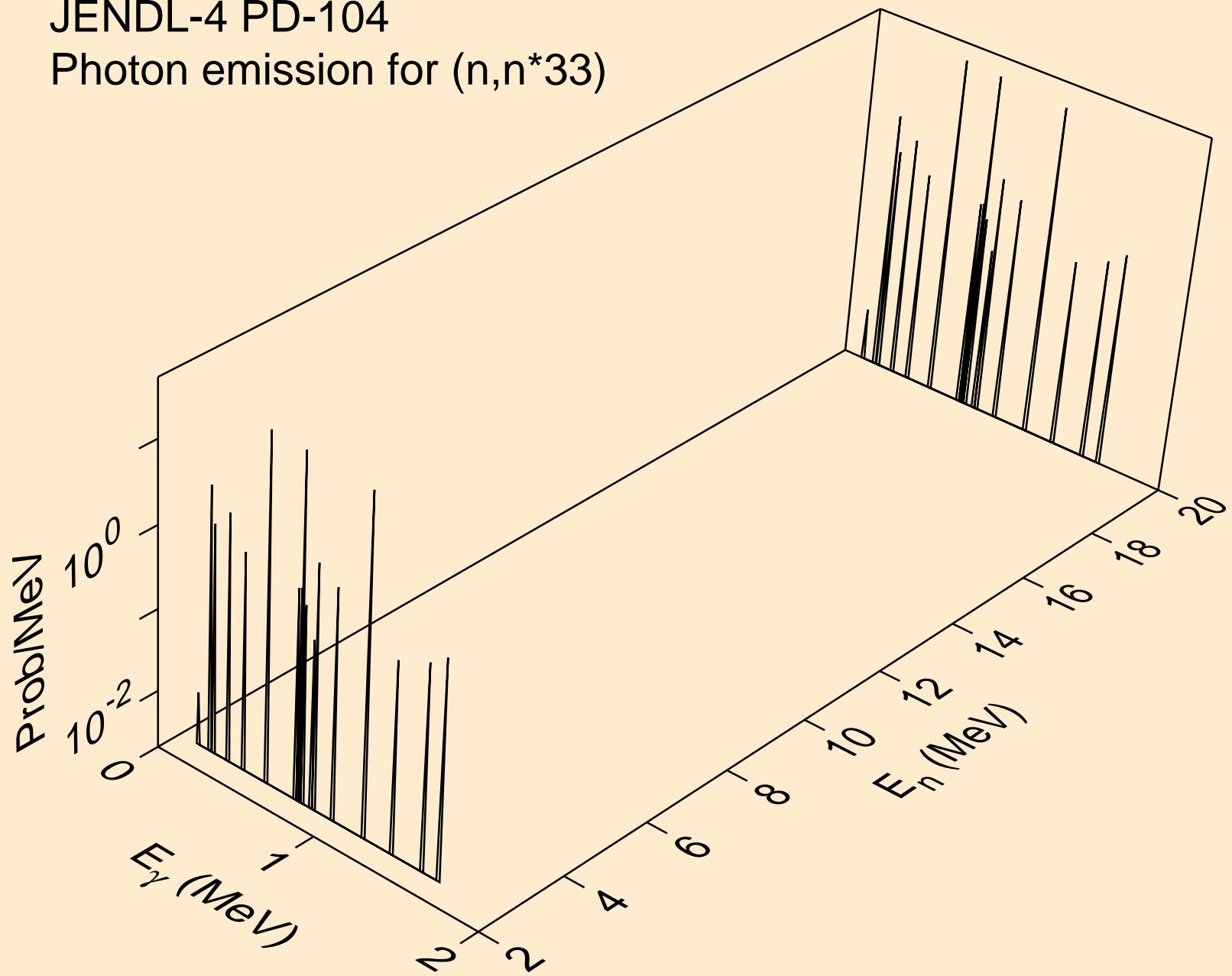
JENDL-4 PD-104  
Photon emission for ( $n, n^*$ )<sup>31</sup>



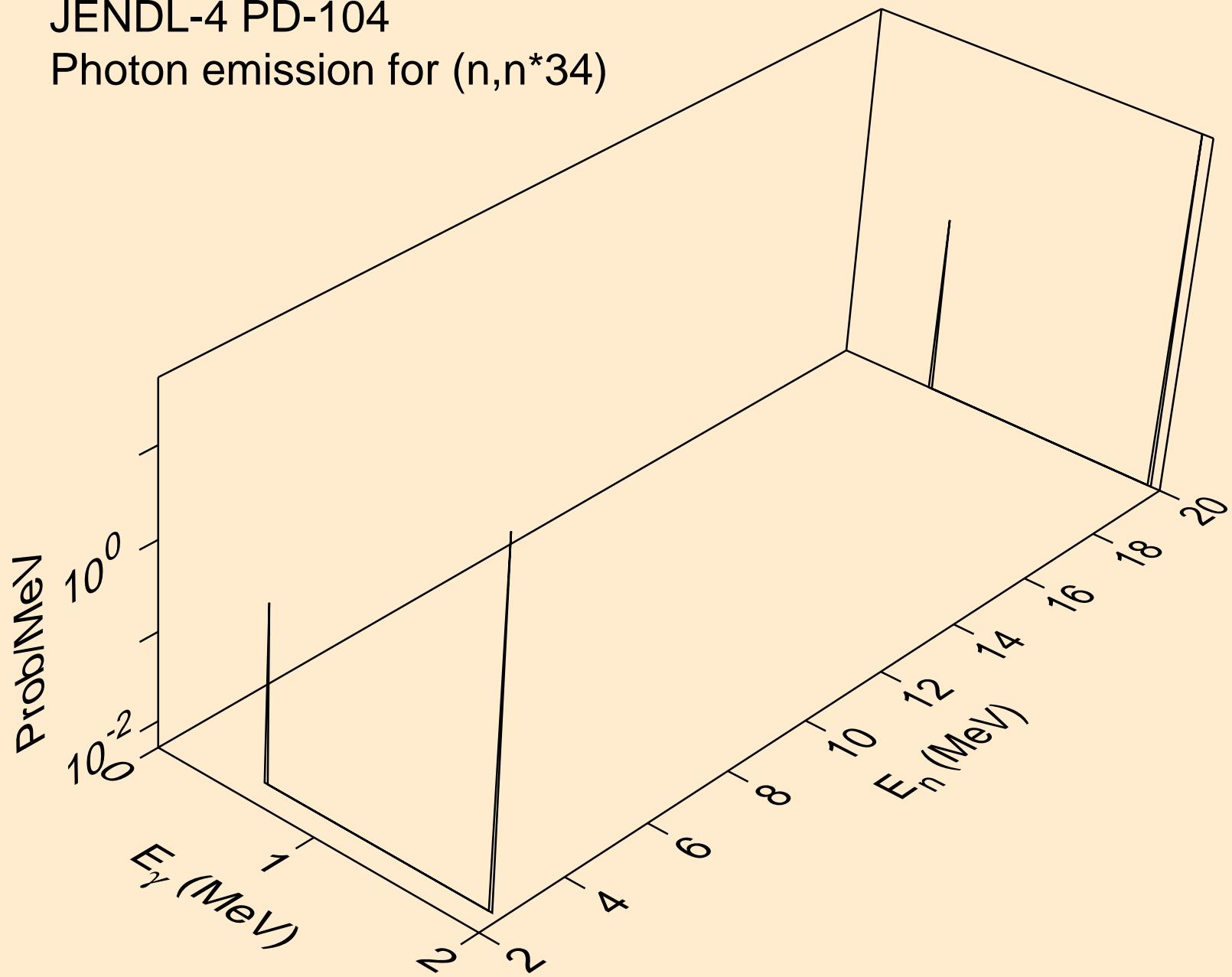
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Photon emission for ( $n, n^* 32$ )



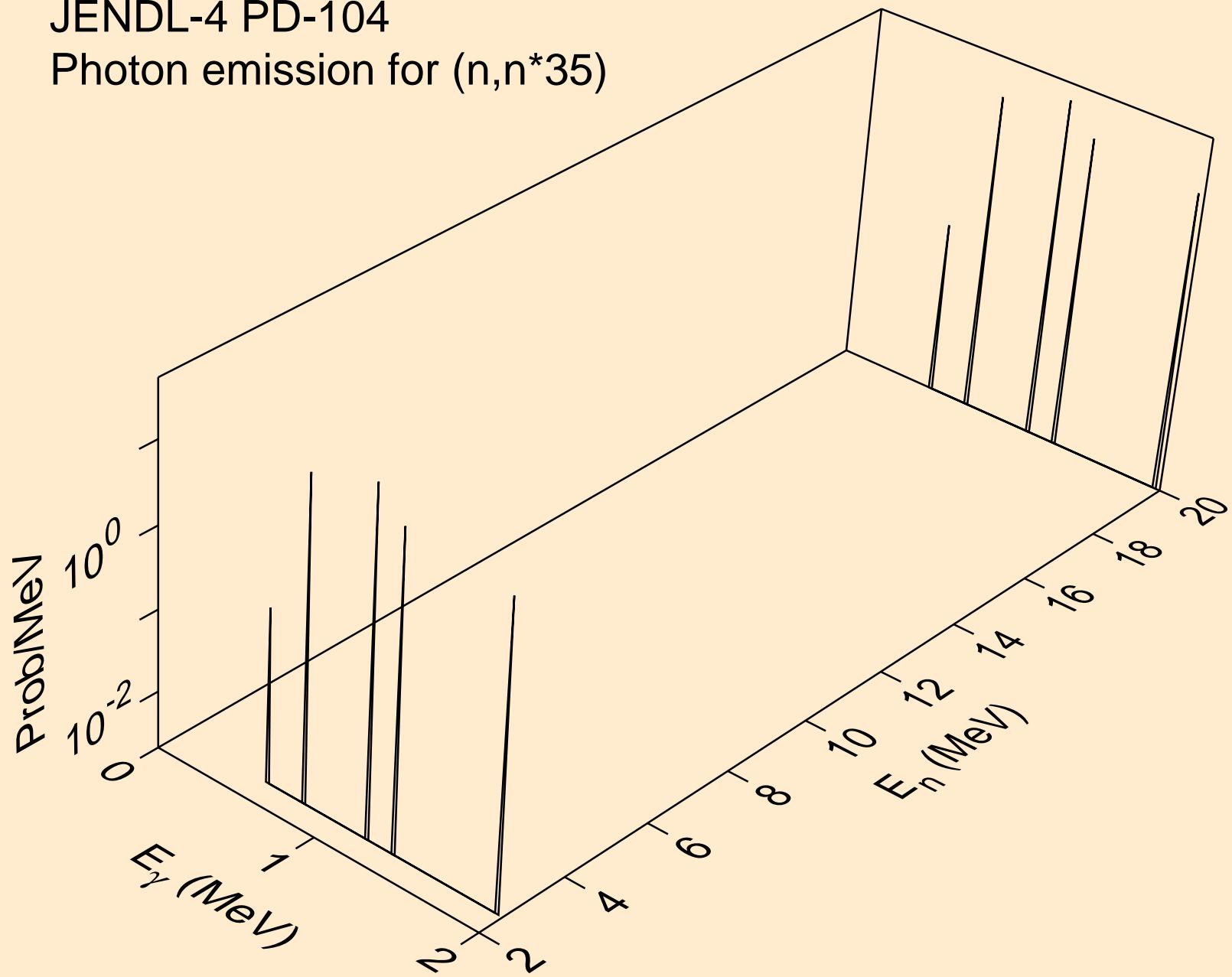
JENDL-4 PD-104  
Photon emission for ( $n, n^*$ )33



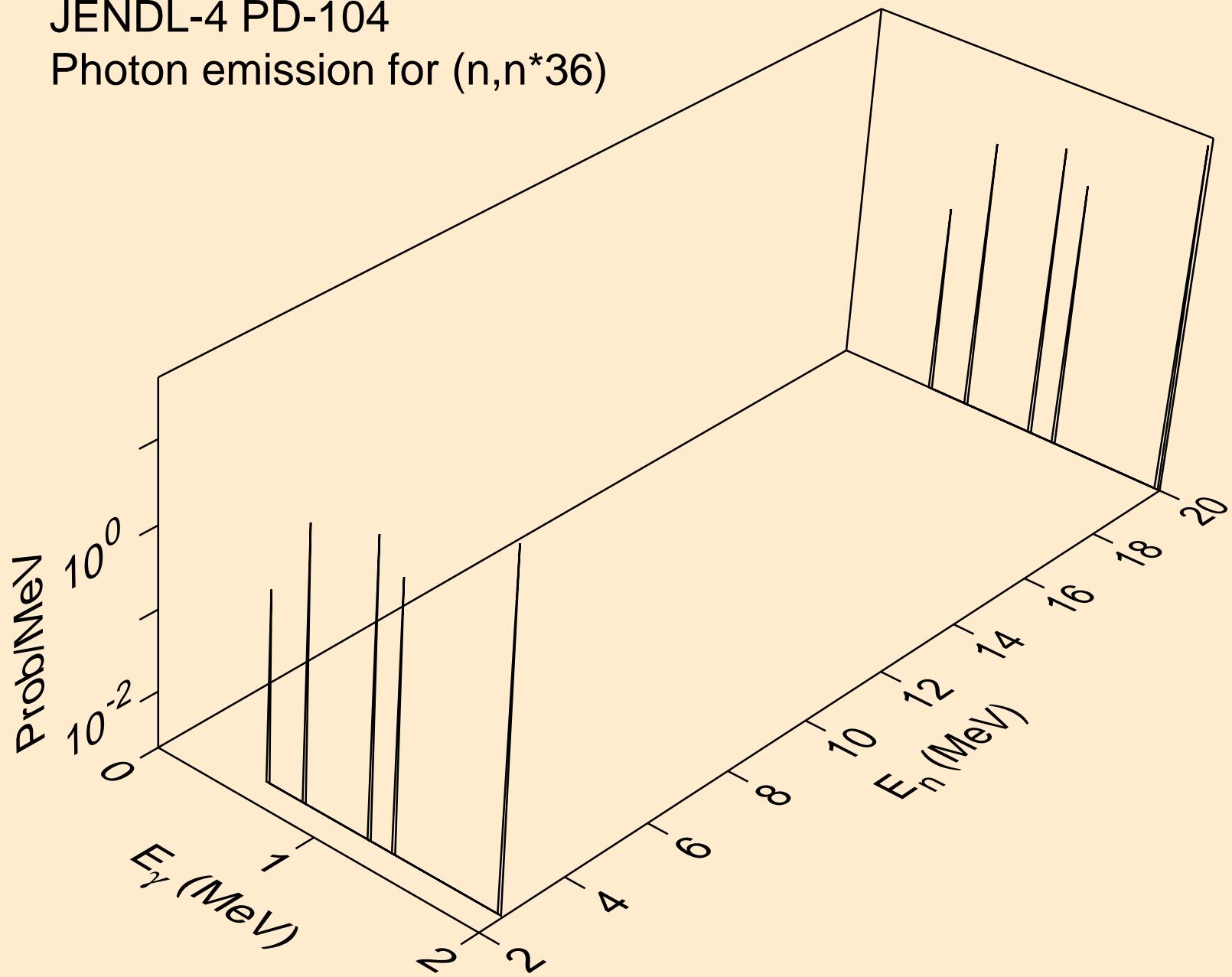
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Photon emission for ( $n, n^*$ )<sup>34</sup>



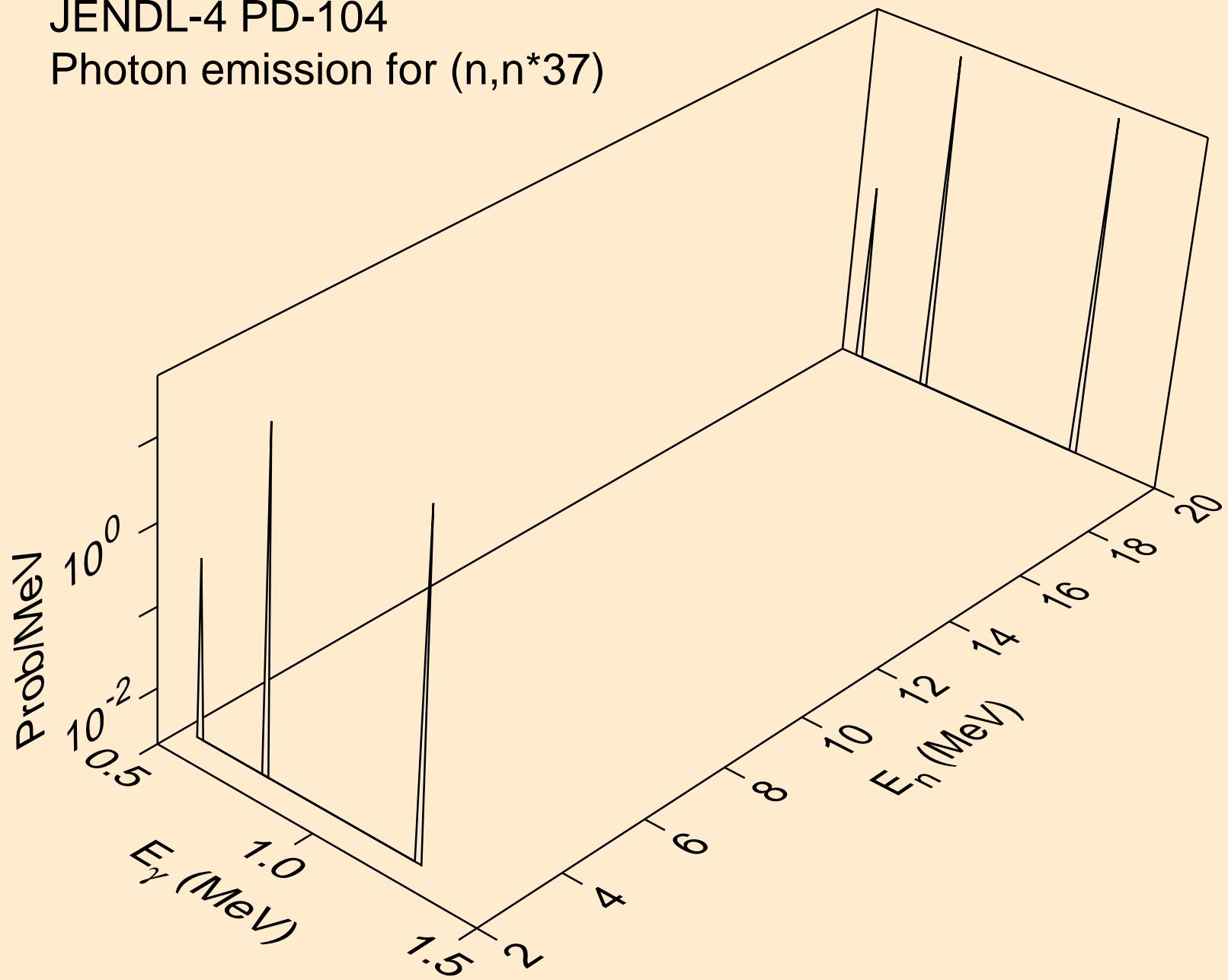
JENDL-4 PD-104  
Photon emission for ( $n, n^*$ )<sup>35</sup>



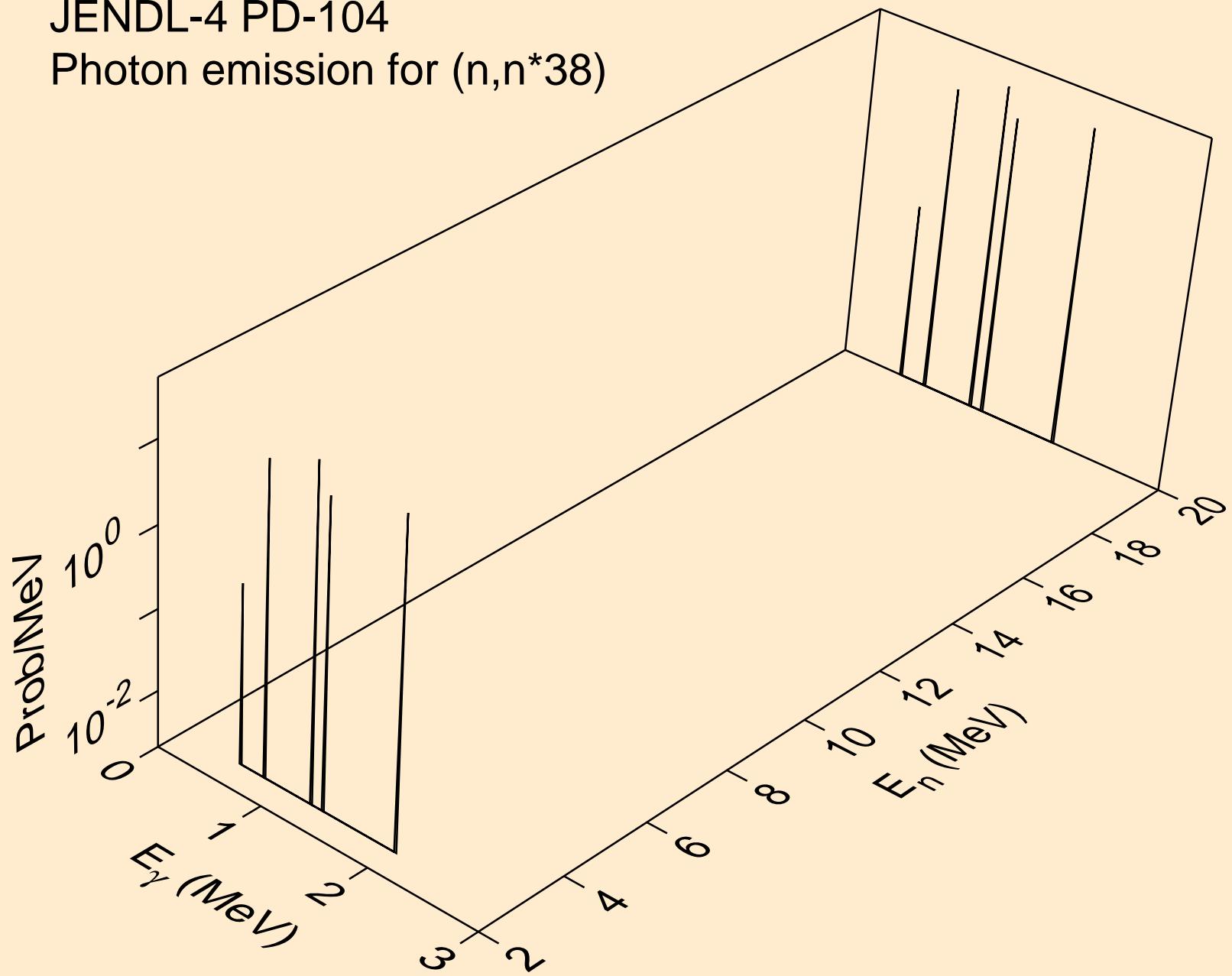
JENDL-4 PD-104  
Photon emission for ( $n, n^*$ )36



JENDL-4 PD-104  
Photon emission for ( $n, n^*$ )<sup>37</sup>

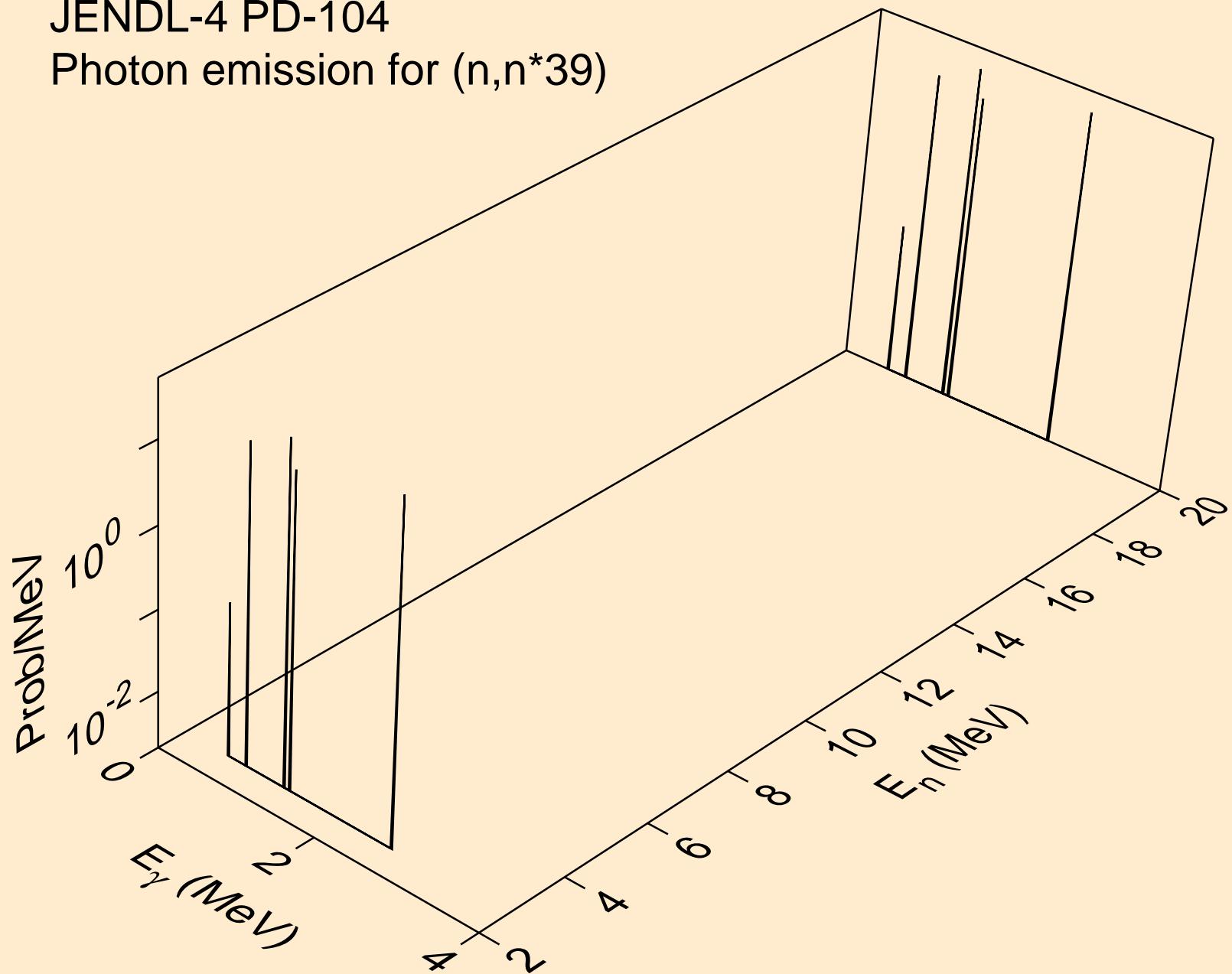


JENDL-4 PD-104  
Photon emission for ( $n, n^*$ )38

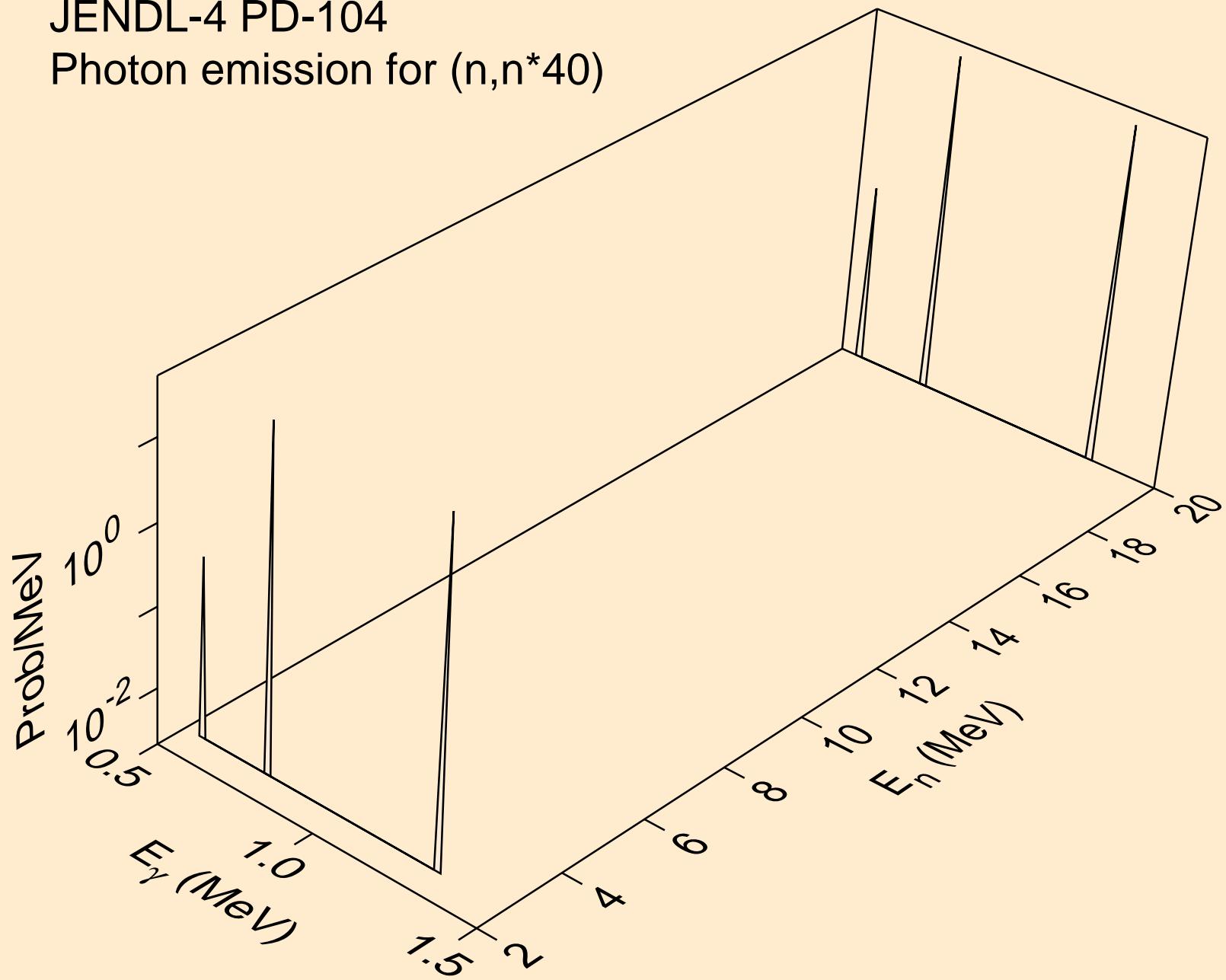


JENDL-4 PD-104

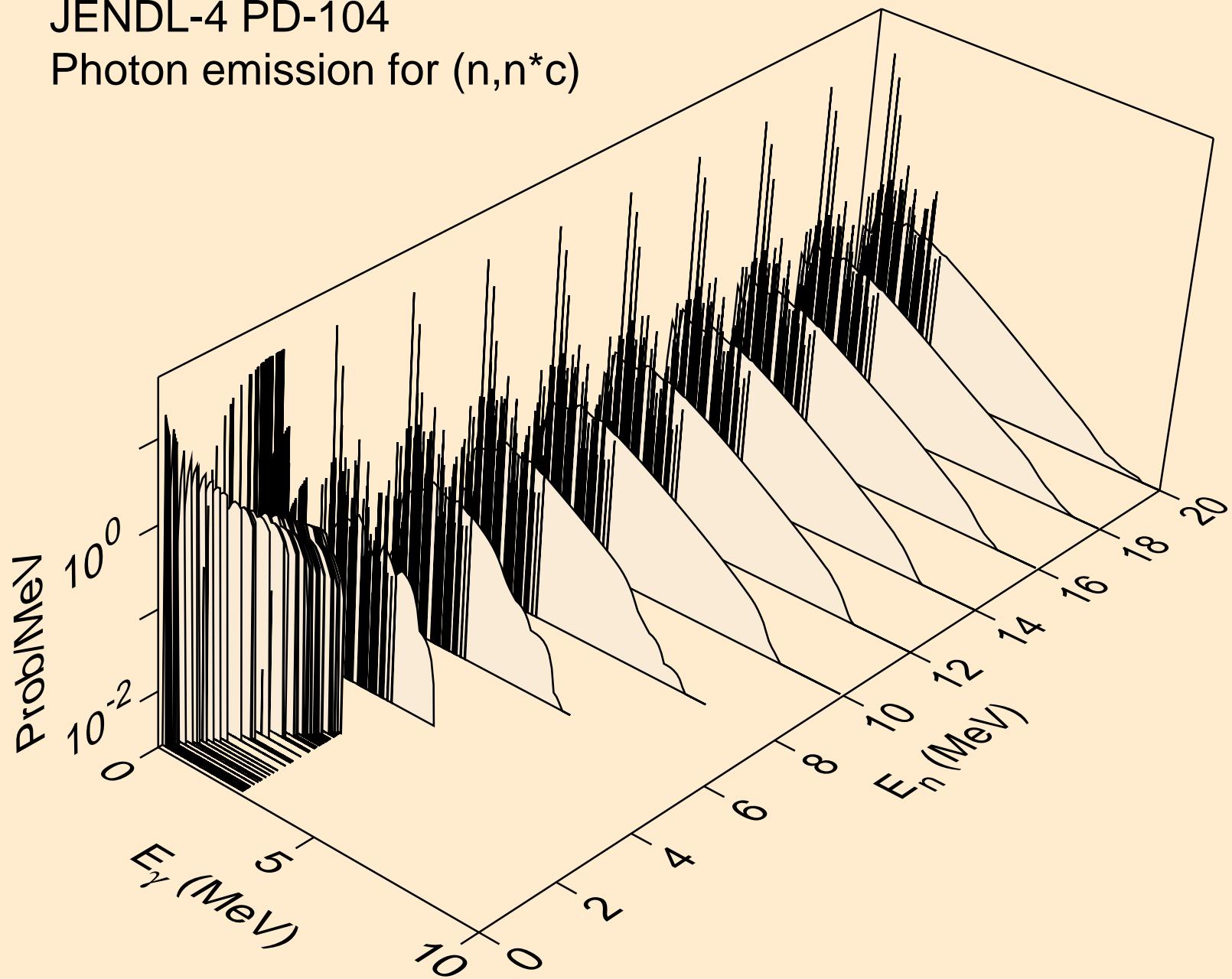
Photon emission for ( $n, n^* 39$ )



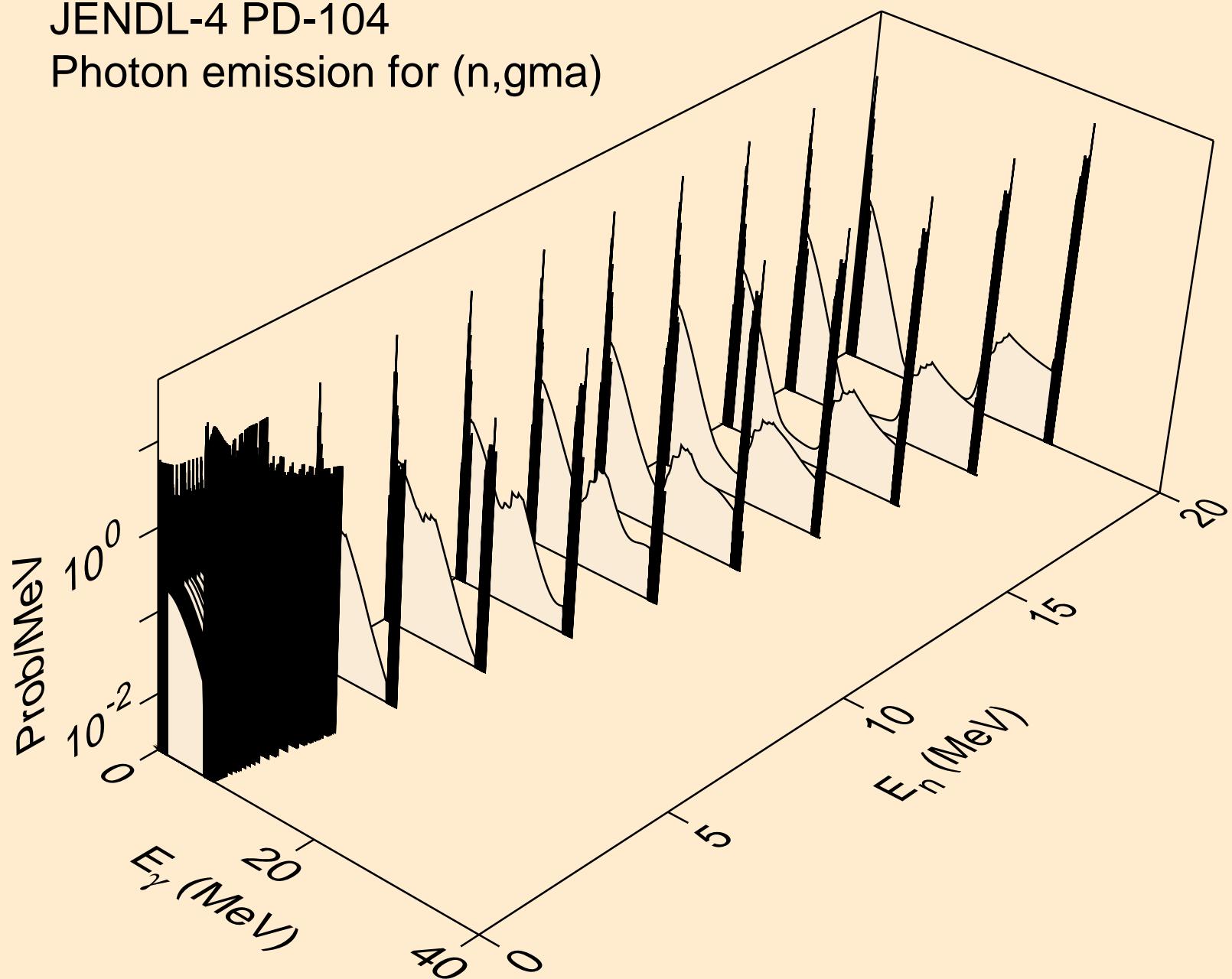
JENDL-4 PD-104  
Photon emission for ( $n, n^*$ )40



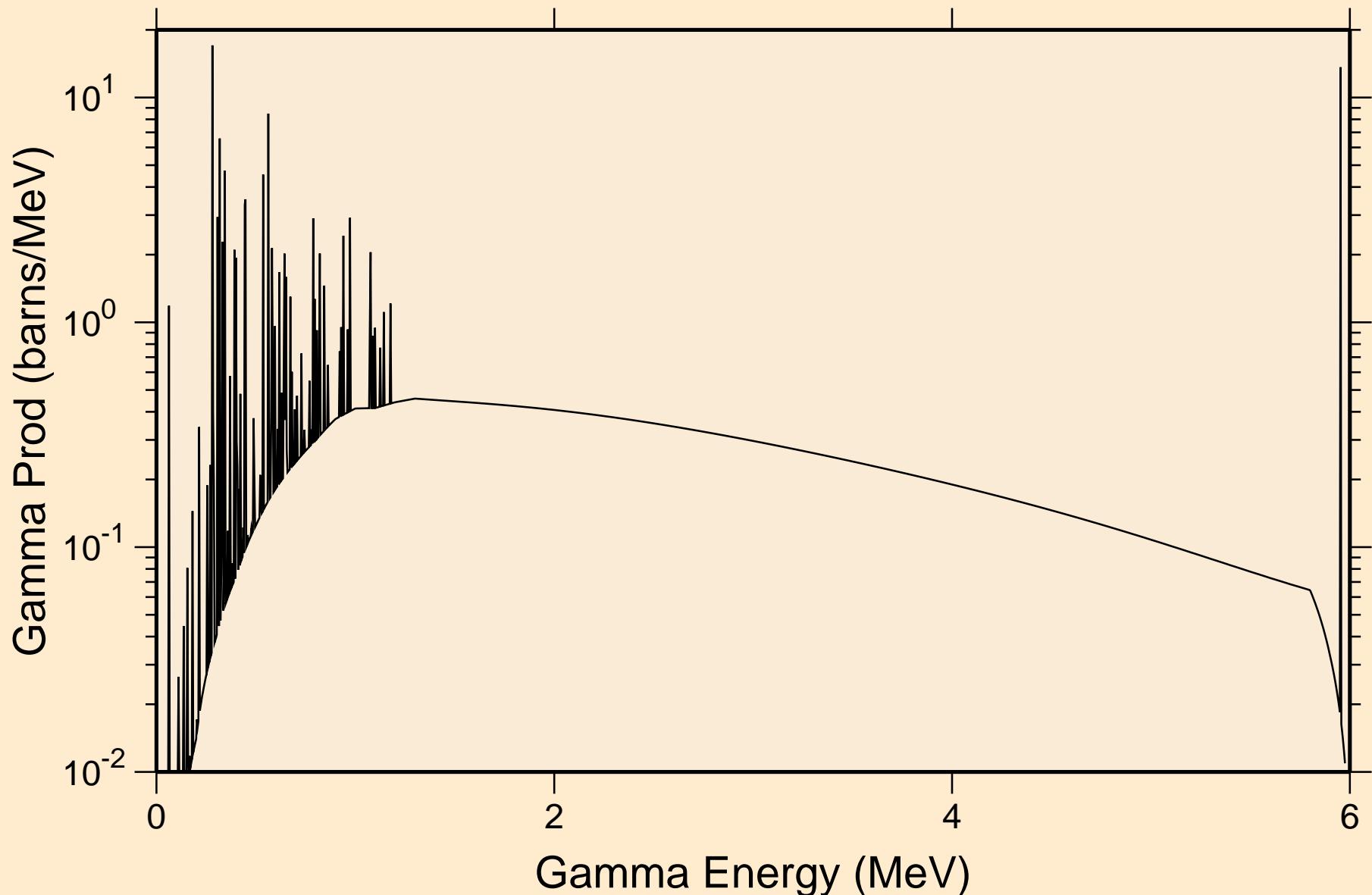
JENDL-4 PD-104  
Photon emission for  $(n,n^*c)$



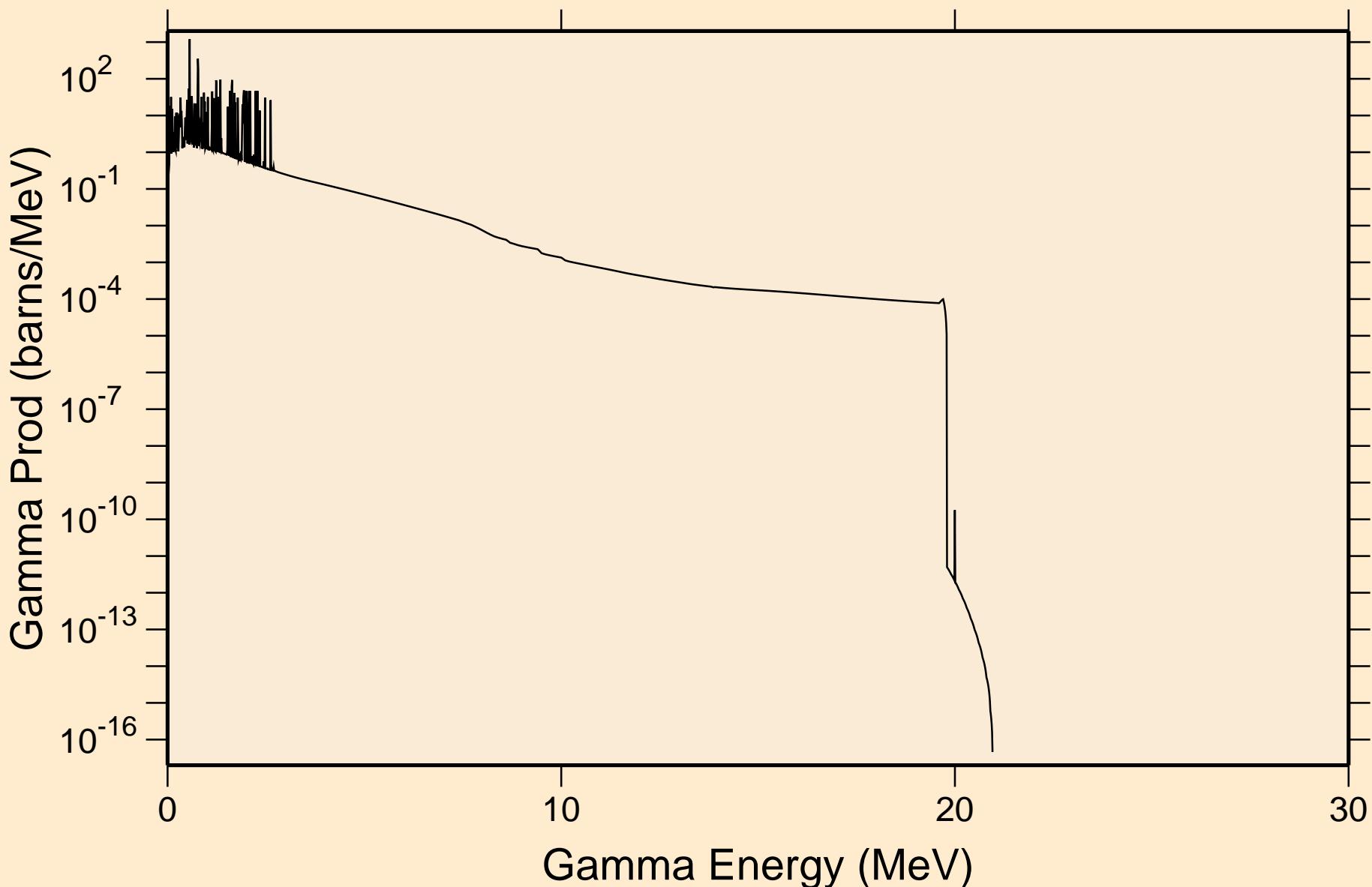
JENDL-4 PD-104  
Photon emission for (n,gma)



JENDL-4 PD-104  
thermal capture photon spectrum

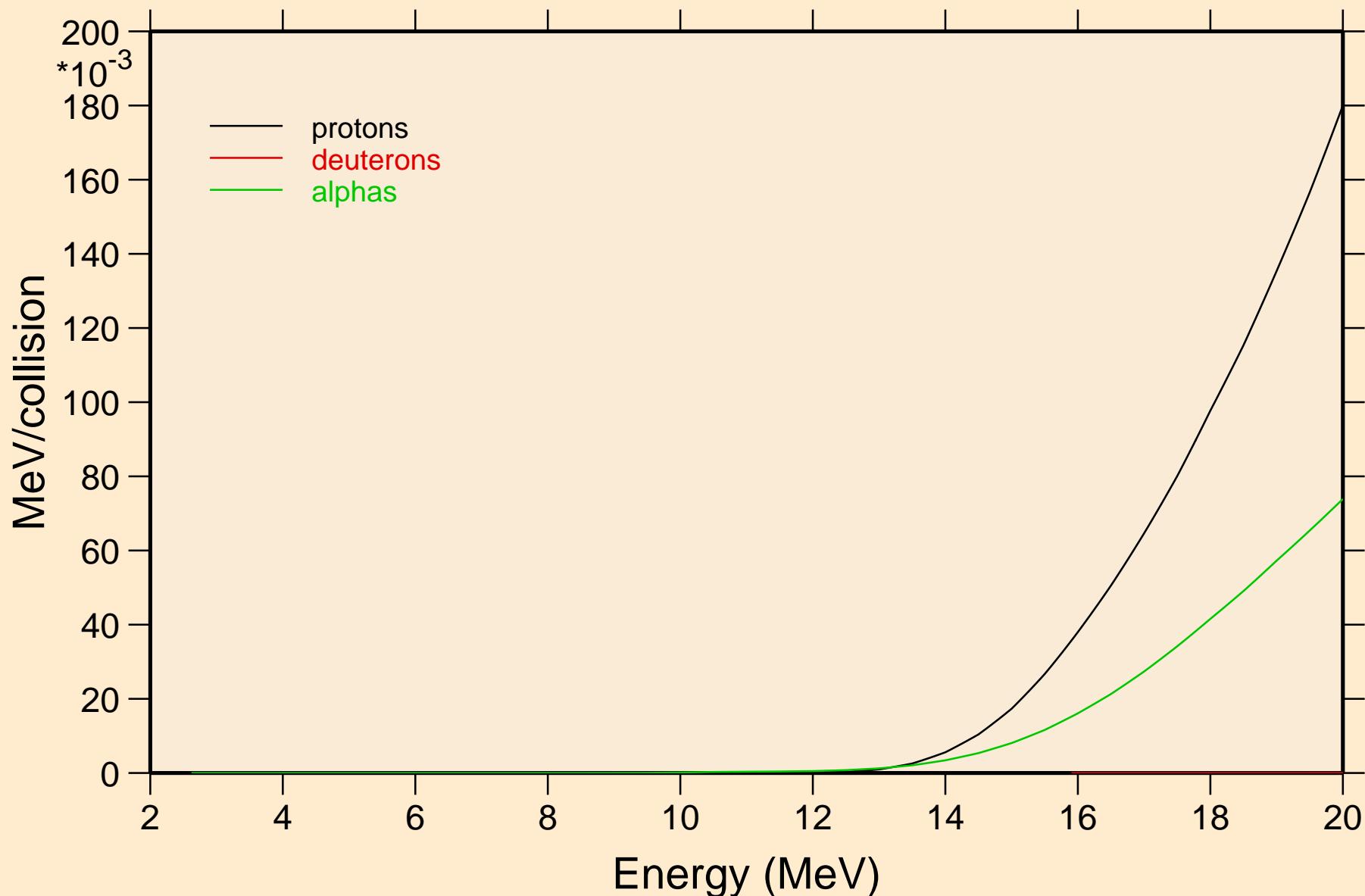


JENDL-4 PD-104  
14 MeV photon spectrum

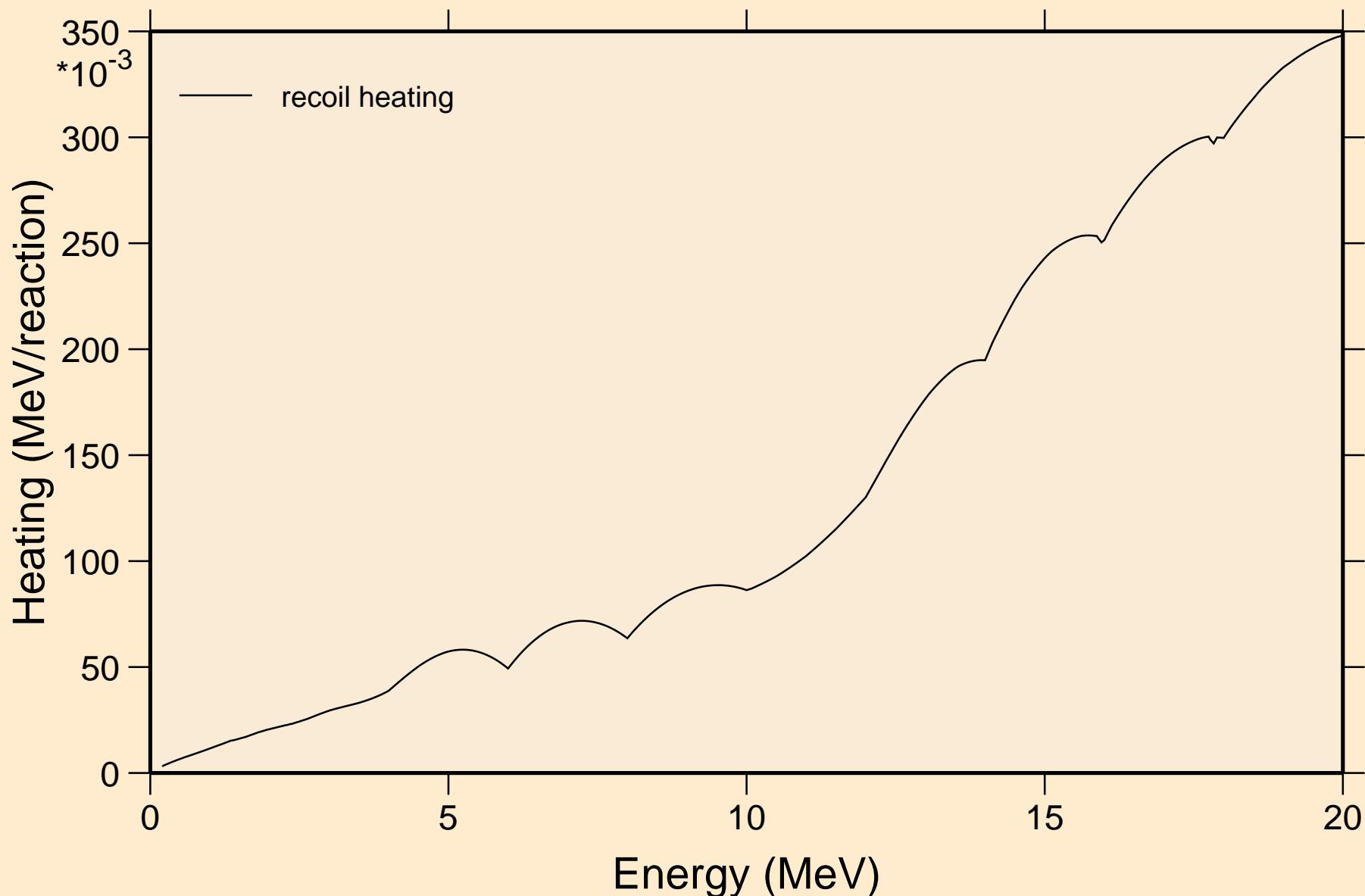


# JENDL-4 PD-104

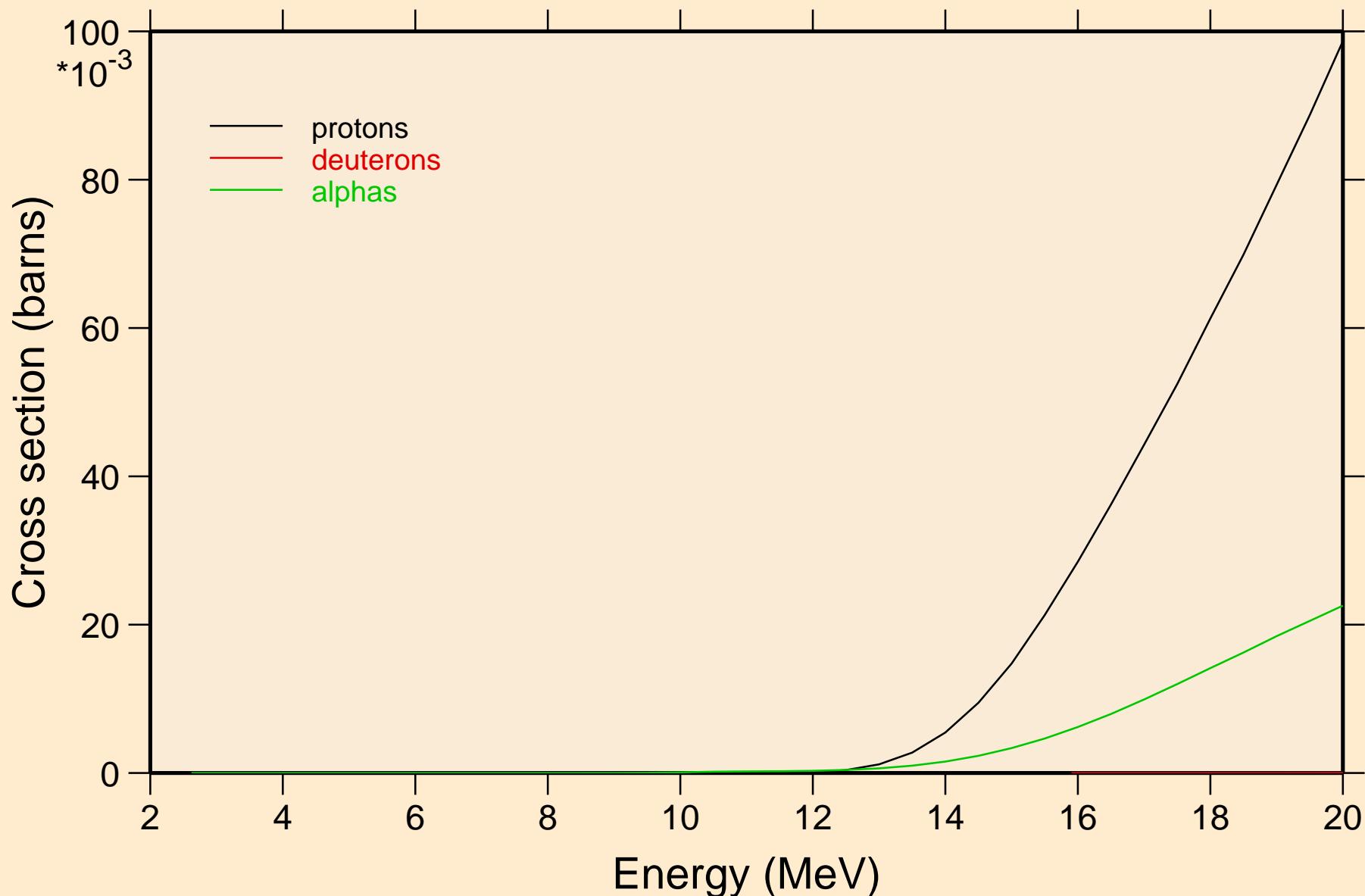
## Particle heating contributions



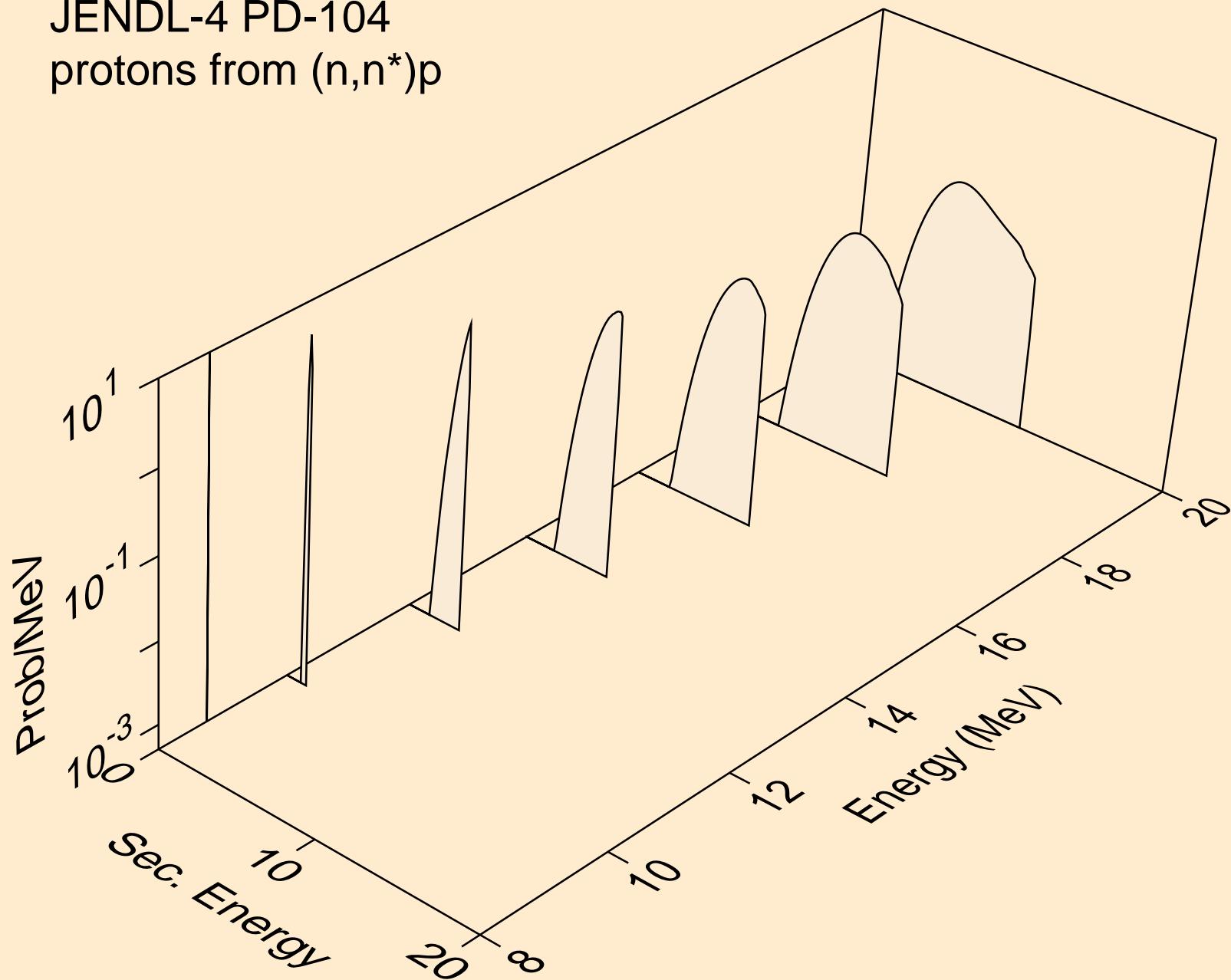
JENDL-4 PD-104  
Recoil Heating



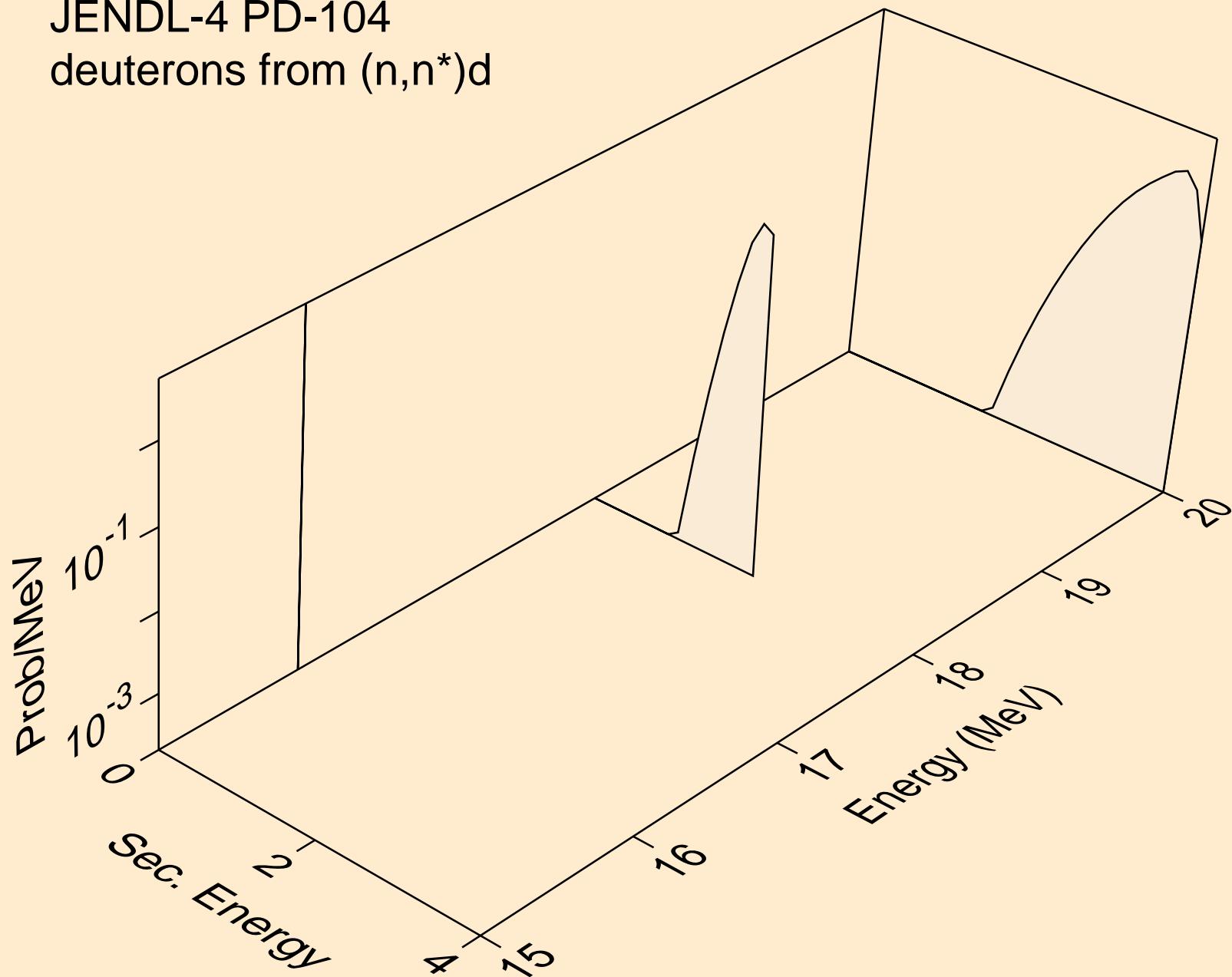
JENDL-4 PD-104  
Particle production cross sections



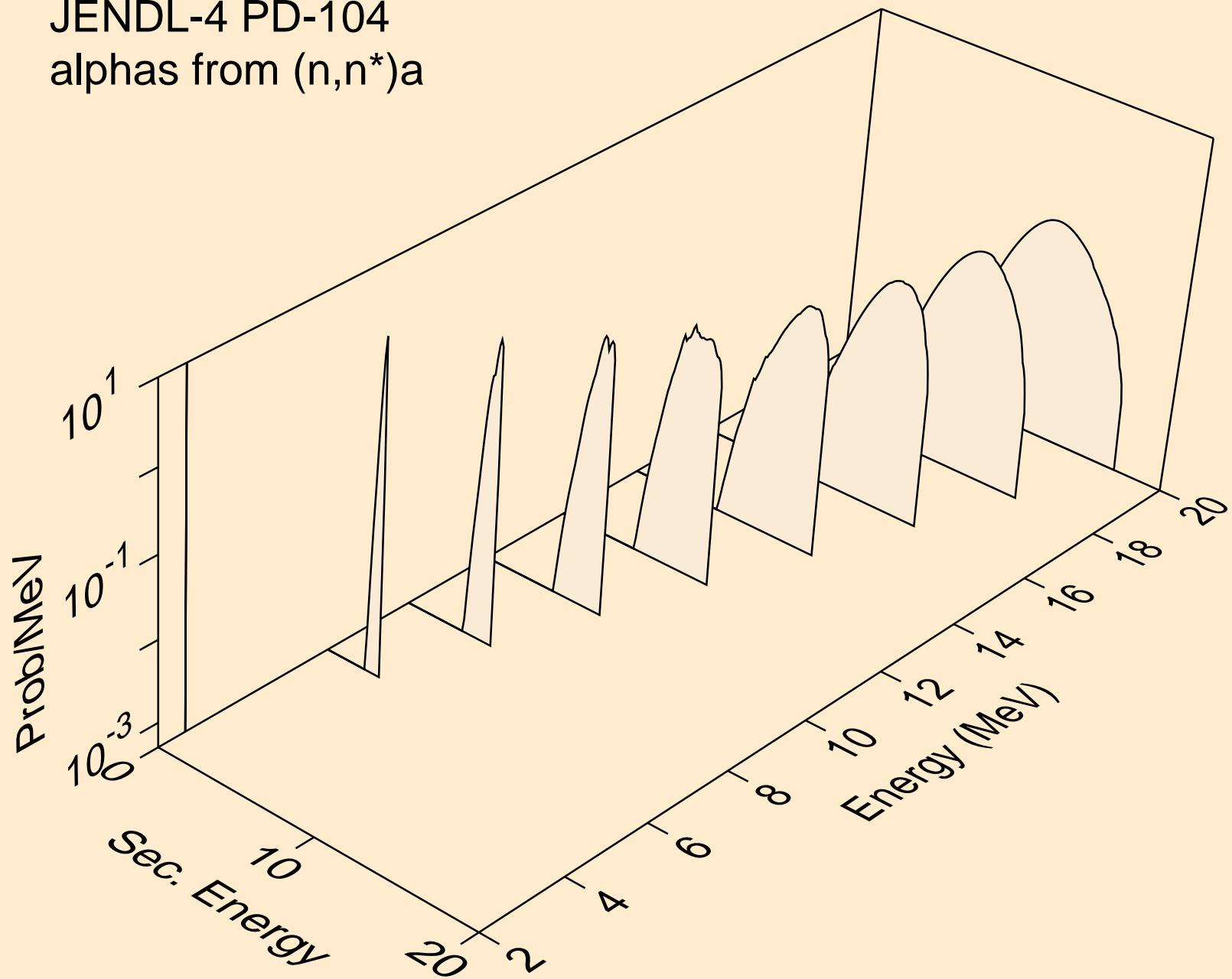
JENDL-4 PD-104  
protons from  $(n,n^*)p$



JENDL-4 PD-104  
deuterons from  $(n,n^*)d$



JENDL-4 PD-104  
alphas from  $(n,n^*)a$



JENDL-4 PD-104  
alphas from  $(n,2n)a$

